Weekly Construction Report

Report No. 1 Period of Activity: 03/26/2015 – 03/27/2015

Prepared by: Formation Environmental (on behalf of the J.R. Simplot Company)

Project Owner:

J.R. Simplot Company (Simplot)

Contractor(s) and Equipment:

Kilroy LLC (Kilroy) operated at the site during this time period. Kilroy operated the following equipment:

- CAT D-6 Dozer
- CAT D-8 Dozer (2)
- CAT 320 Excavator (2)
- John Deere 250 Excavator
- John Deere 350 Excavator
- Komatsu PC 200 Excavator
- Komatsu 400 Articulating Haul Truck
- CAT 160H Motor Grader

Personnel:

The following personnel were at the site during this time period:

- Simplot:
 - o Grant Williams, Dave Janiak
- Kilroy:
 - o Gregg Matthews (Supervisor/Equipment Operator) plus 5 equipment operators/laborers

Weather Conditions:

Conditions during this reporting period were clear to partly cloudy with daytime temperatures in the 40s (degrees Fahrenheit).

Description of Activities:

Equipment mobilization to the site occurred between 03/16/2015 and 03/25/2015. Construction work commenced on 03/26/2015 and consisted of the following activities for the week:

- Started stripping the staging area using one of the D-8 dozers.
- Started regrade of east side using one of the D-6 dozers.
- Used the John Deere 350 excavator to sort rip rap.

Sample Collection and Construction Quality Control (CQC)/Construction Quality Assurance (CQA) Testing Performed:

Surveying was performed on 03/26/2015 on the east side where regrading activities started. No other sampling or CQC/CAC activities occurred during this reporting period.

Agency Oversight:

Onsite oversight was not conducted by Agency representatives during this reporting period.

Potential Project Issues:

No additional potential project issues have been identified during this reporting period.

Follow-Up/Resolution of Previous Potential Issues:

Summary of Photographs



Photograph 1: Stripping of staging area.

Weekly Construction Report

Report No. 2

Period of Activity: 03/30/2015 – 04/03/2015

Prepared by: Formation Environmental (on behalf of the J.R. Simplot Company)

Project Owner:

J.R. Simplot Company (Simplot)

Contractor(s) and Equipment:

Kilroy LLC (Kilroy) operated at the site during this time period. Kilroy operated the following equipment:

- CAT D-6 Dozer
- CAT D-8 Dozer (3)
- CAT 320 Excavator (2)
- John Deere 250 Excavator
- John Deere 350 Excavator
- Komatsu PC 200 Excavator
- Komatsu 400 Articulating Haul Truck (3)
- CAT 160H Motor Grader
- Lube Truck
- CAT 950K Loader

Personnel:

The following personnel were at the site during this time period:

- Simplot:
 - o Grant Williams, Dave Janiak
- Kilroy:
 - o Kit Long, Gregg Matthews (Supervisor/Equipment Operators) plus 8 equipment operators/laborers
- USDA Forest Service (USFS)
 - o Mary Kauffman

Weather Conditions:

Conditions during this reporting period were clear to partly cloudy with daytime temperatures ranging from the low 40s to the mid 60s (degrees Fahrenheit).

Description of Activities:

Construction work during this reporting period included:

- Clearing and grubbing.
 - The north borrow sedimentation basin area was too wet to work in during this reporting period.
 - o The south borrow sedimentation basin surveyed elevation did not match the design plan elevation (topo data was recorded when timber was present, reducing accuracy). Basin lowered by 7 feet.
 - o Started clearing and grubbing in saddle basin.
 - Cleared brush from runoff ditch above the Dinwoody Formation borrow area.
- Continued grading of ODA east side and Dinwoody Formation borrow area.
- Continued working on staging area.
 - o Started stockpiling cover material in staging area.
 - o Simplot hauled chert for the east side rind.
 - o Sorting and hauling of rip rap to stockpile area near the blasting compound.
- Construction of haul road to borrow area
 - o General road construction grading.
 - o Installation of traffic signs at main haul road crossing.
 - o Installation of culvert at main haul road crossing.
 - o Installation of 90 linear feet of 30" CMP culvert in temporary haul road to borrow area.
 - o Installation of 400 linear feet of silt fence along south side of temporary haul road.
 - o Started using cert material from runaway ramp for haul road surface.
- Removed fence on east side of ODA.
- Cover Construction.
 - o Started pushing cert rhine on the east side of the ODA.

Sample Collection and Construction Quality Control (CQC)/Construction Quality Assurance (CQA) Testing Performed:

Surveying performed throughout the course of the week to establish the 100' grid. Control points for the surveying were set up on 04/02/2015.

Pot holes were dug in chert layer to check thickness. Over 6 feet of chert was present at the top of the pile after the initial rind had been pushed downslope. Based on these results, the grade at the top of the pile was lowered by 3 feet (resulting in 1 foot of cut from the top). The chert layer thickness of 3 feet was verified after the cut with additional pot holes.

Agency Oversight:

May Kauffman with the USFS was onsite 04/01/2015.

Potential Project Issues:

No additional potential project issues have been identified during this reporting period.

Follow-Up/Resolution of Previous Potential Issues:

Summary of Photographs



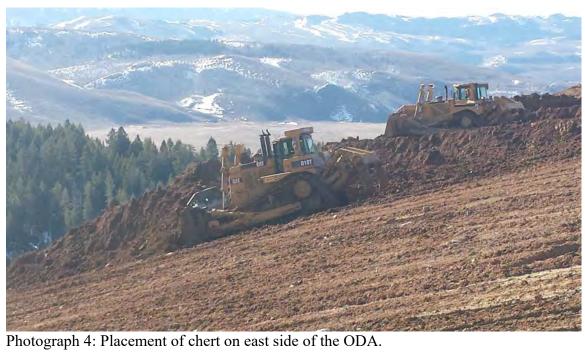
Photograph 1: Temporary haul road to Dinwoody Formation borrow area (foreground).



Photograph 2: Stockpiled Dinwoody Formation (dark material in the foreground), and chert (tan material in distance).



Photograph 3: Clearing and grubbing activities.



Weekly Construction Report

Report No. 3

Period of Activity: 04/06/2015 – 04/10/2015

Prepared by: Formation Environmental (on behalf of the J.R. Simplot Company)

Project Owner:

J.R. Simplot Company (Simplot)

Contractor(s) and Equipment:

Kilroy LLC (Kilroy) was present at the site during this time period utilizing the following fleet of equipment:

Equipment Type	Quantity
CAT D-6 Dozer	2
CAT D-8 Dozer	2
CAT D-10 Dozer	1
CAT 320 Excavator	2
John Deere 250 Excavator	1
John Deere 350 Excavator	1
John Deere 470 Excavator	1
Komatsu PC 200 Excavator	1
Komatsu 400 Articulating Haul Truck	7
CAT 160H Motor Grader	1
Lube Truck	1
CAT 950K Loader	1

Personnel:

The following personnel were at the site during this time period:

- Simplot:
 - o Grant Williams, Dave Janiak
- Kilroy:
 - o Kit Long, Gregg Matthews (Supervisor/Equipment Operators) plus 8 equipment operators/laborers
- Formation Environmental, Inc.
 - o Brian Hansen, Jon Friedman

Weather Conditions:

Conditions during this reporting period varied from clear to cloudy with daytime temperatures ranging from the low 30s to the mid 60s (degrees Fahrenheit). Precipitation in the form of snow / sleet occurred on Wednesday and Thursday with up to 6" of accumulation.

Description of Activities:

Construction work during this reporting period included:

- Clearing and grubbing.
 - The north borrow sedimentation basin area was too wet to work during this reporting period.
 - o Clear and grub Dinwoody Borrow South Sedimentation Basin.
 - o Clear and grub saddle basin.
- Continued grading of ODA east side and stripping topsoil in Dinwoody borrow area.
- Commenced search for 30-inch HDPE access riser extension.
- Continued working on staging area.
 - o Continued limited stockpiling cover material in staging area.
 - o Simplot continued limited haul of chert for the east side rind.
 - o Sorting and hauling of rip rap to stockpile area near the blasting compound.
- Construction of haul road to borrow area
 - o General road construction grading.
- Cover Construction.
 - o Continued pushing chert rind on the east side of the ODA.

Sample Collection and Construction Quality Control (CQC)/Construction Quality Assurance (CQA) Testing Performed:

Surveying:

Fill Placement: NA

Agency Oversight:

USFS not present during reporting period (04/06/2015 - 04/10/2015).

Upcoming Activities:

- O Possible issuance of an Engineering Change Order for the construction of small run-off control diversion channel located at the east toe of the ODA cover. This channel would convey sheet flow from the cover slope to the existing clean water run-on control channel along the north side of ODA. Particulars to be discussed with USFS during next week's site visit.
- o Possible issuance of an Engineering Change Order for the construction of a granular seepage flow drain. This drain would consist of aggregate

wrapped in geotextile and would be positioned to relieve pressure and divert seepage water emanating from hill slope to concrete apron that will be constructed as part of the South Central Sedimentation Basin. Particulars to be discussed with USFS during next week's site visit.

- o Continue placement of chert on ODA.
- o Weather permitting, South Sediment Basin may be completed by 04/17/2015.
- Weather permitting, continue with excavation for Dinwoody borrow west side run-on control channel.
- O Weather permitting, continue with the development of the North Dinwoody Borrow. Slash berms have been constructed and silt fences have been installed. Very wet at present with snow melt from upslope keeping near surface saturated.

Potential Project Issues:

No additional potential project issues have been identified during this reporting period.

Follow-Up/Resolution of Previous Potential Issues:

Summary of Photographs



Photograph 1: Excavation for the run-on control channel above Dinwoody borrow pit.



Photograph 2: Dozer pushing excess chert cover on east side of ODA.



Photograph 3: Dozers pushing excess chert cover on east side ODA with survey cut stakes for control.



Photograph 4: construction activities for Dinwoody Borrow Haul Road.



Photo 5. Preparation work at south end of Dinwoody Borrow Area.

Weekly Construction Report

Report No. 4

Period of Activity: 04/13/2015 – 04/17/2015

Prepared by: Formation Environmental (on behalf of the J.R. Simplot Company)

Project Owner:

J.R. Simplot Company (Simplot)

Contractor(s) and Equipment:

Kilroy LLC (Kilroy) was present at the site during this time period utilizing the following fleet of equipment:

Equipment Type	Quantity
CAT D-6 Dozer	2
CAT D-8 Dozer	2
CAT D-10 Dozer	1
CAT 320 Excavator	2
John Deere 250 Excavator	1
John Deere 350 Excavator	1
John Deere 470 Excavator	1
Komatsu PC 200 Excavator	1
Komatsu 400 Articulating Haul Truck	7
CAT 160H Motor Grader	1
Lube Truck	1
CAT 950K Loader	1

Personnel:

The following personnel were at the site during this time period:

- Simplot:
 - o Grant Williams, Dave Janiak
- Kilroy:
 - o Kit Long, Gregg Matthews plus 9 equipment operators/laborers
- Formation Environmental, Inc.
 - o Jon Friedman

Materials Received:

- 10-25' Sections of 42" dia. CMP.
- 20 20' Sections 24" dia. CMP.
- 10 Rolls (15'x300') FX 120HS (12oz/sy) geofabric.
- 4 Rolls (12.5'x360') FX 160HS (16oz/sy) geofabric.

Weather Conditions:

Conditions during this reporting period varied from clear to cloudy with daytime temperatures ranging from the low to mid 20s to the mid 60s (degrees Fahrenheit). Precipitation in the form of snow / sleet occurred on Tuesday night through Thursday with up to 4" of accumulation. Wind with gusts up to 25mph occurred throughout the week.

Description of Activities:

Construction work during this reporting period included:

- Clearing and grubbing.
 - o The north borrow sedimentation basin area was too wet to work during this reporting period.
 - o Clear and grub saddle basin as weather permitted.
- Sorting and hauling of rip rap to stockpile area near the blasting compound.
- Construction of haul road to borrow area.
 - o General road construction grading.
- Cover Construction.
 - Continued limited pushing chert rind on the east side of the ODA, Photograph 1.
 - Continued limited placement of chert stockpile on east side of the ODA, Photograph 2.
- Earthwork activity was very limited Wednesday and Thursday due to snow which created excessively wet conditions.
- Continued search for 30-inch HDPE access riser extension. In regards to the investigation to locate the riser extension, the following documents the original intent for the riser, the extent to which the access stub was investigated and the planned course of action moving forward.

Section 2.3.1 of the approved Removal Action Work Plan (RAWP) states "it will be necessary to install an extension on a pipeline access point located at approximate pipeline station 48+50... Installation of an extension will eliminate the need to excavate the cover system and underlying overburden in the event that access to the pipeline is needed." During the week of April 7, 2015, Simplot's contractor Kilroy, LLC excavated the area around sta 48+50 and located the top of the buried pipeline. A length of approximately 40 feet of the pipeline top surface was exposed, near sta 48+50, but the pipe riser was not found.

Construction records were examined to investigate the position of the riser. The August 21, 2007 daily field report prepared by Brierley Associates (attached)

indicates that the riser is actually present at approximate sta 49+75. A corrected as-built drawing for the portion of the pipeline that includes the riser is attached. Given the extent of excavation that would be needed to locate the riser, further excavation would likely require either shoring or laying back the excavation slopes, with associated significant excavation quantities, for safety reasons. Additionally, further excavation would increase the possibility of damaging the pipeline, which is currently carrying spring flows of Pole Canyon Creek across the ODA. For these reasons, Simplot has elected not to excavate and extend the pipe riser. If access to the pipeline is needed in the future, Simplot can either excavate the riser at that time or excavate to the pipeline at a different location and install a new riser.

Sample Collection and Construction Quality Control (CQC)/Construction Quality Assurance (CQA) Testing Performed:

- Surveying: Grade stakes placed on east slope of ODA to control and maintain cut.
- Fill Placement: Three lifts of compacted fill placed for Dinwoody Borrow, South Sedimentation Pond embankment. CQC density testing indicated greater than 95% compaction for material placed.

Agency Oversight:

USFS not present during reporting period (04/13/2015 - 04/17/2015).

Upcoming Activities:

- o Continue placement of chert on ODA.
- o Weather permitting, Dinwoody Borrow Area South Sediment Basin may be completed by 04/24/2015.
- Weather permitting, continue with excavation for Dinwoody borrow west side run-on control channel.
- o Weather permitting, continue with the development of the North Dinwoody Borrow. Slash berms have been constructed and silt fences have been installed. Very wet at present with continued snowfall and snow melt from upslope which is keeping near surface material saturated.

Potential Project Issues:

No additional potential project issues have been identified during this reporting period.

Follow-Up/Resolution of Previous Potential Issues:

Photographs



Photograph 1: Pushing excess chert cover downslope east side ODA and advancing chert stockpile. Note grade stakes placed to monitor cut depth.



Photograph 2: Excavator loading haul trucks with chert on south side ODA. Note groundwater weeps at the toe of slopes in mid and foreground. South Central Sedimentation Basin will be constructed to the right of photograph.

Weekly Construction Report

Report No. 5

Period of Activity: 04/20/2015 – 04/24/2015

Prepared by: Formation Environmental (on behalf of the J.R. Simplot Company)

Project Owner:

J.R. Simplot Company (Simplot)

Contractor(s) and Equipment:

Contractor, Kilroy LLC (Kilroy), is currently working 10 hrs per day Monday thru Thursday and 8 hrs on Friday. Kilroy is utilizing the following fleet of equipment:

Equipment Type	Quantity
CAT D-6 Dozer	3
CAT D-8 Dozer	2
CAT D-10 Dozer	1
CAT 320 Excavator	1
John Deere 250 Excavator	1
John Deere 350 Excavator	1
John Deere 470 Excavator	1
John Deere 870 Excavator	1
Komatsu 400 Articulating Haul Truck	4
John Deere 410 Articulating Haul Truck	4
CAT 160H Motor Grader	1
Lube Truck	1
CAT 950K Loader	1
CAT CP433E Pad-foot Roller Compactor	1
CAT 740K Water Truck (8,000 gal)	1

Personnel:

The following personnel were at the site during this time period:

- Simplot:
 - o Grant Williams, Dave Janiak, Monty Johnson
- USFS:
 - o Mary Kauffman
- Kilroy:
 - o Kit Long, Gregg Matthews plus 22 others that include a surveyor, mechanics, equipment operators and laborers.
- Excel Engineering, LC:
 - o Paul Bastian

- Formation Environmental, Inc.
 - o Jon Friedman
- Strata GeoTech
 - Mike Hitchcock

Materials Received:

• Approximately 600 tons of pipe bedding imported from Afton pit.

Weather Conditions:

Conditions during this reporting period varied from clear to cloudy with daytime temperatures ranging from the low to mid 30s to the mid 60s (degrees Fahrenheit). Precipitation in the form of rain occurred on Thursday and Friday. Wind gusts up to 15 mph occurred throughout the week.

Description of Activities:

Earthwork activity improved from last week as the material has dried considerably Monday thru Wednesday. Rain Thursday and Friday again hindered progress. Construction work during this reporting period included:

- Clearing and grubbing.
 - o The north borrow sedimentation basin area was worked on a limited basis. Area was predominately too wet to work during this reporting period.
 - o Clear and grub saddle basin on limited basis.
- Sorting and hauling of rip rap to stockpile area near the blasting compound.
- Dinwoody borrow area haul road.
 - o General road grading maintenance.
- Cover Construction.
 - Continued limited pushing chert rind on the east side of the ODA in areas to achieve required cover depth.
 - Commence hauling Dinwoody material from borrow to east slope ODA rind stockpile.
- Continue excavating Dinwoody Borrow Area North and South Run-on Control Channel access roads. With the exception of several very wet areas the access road will be complete by end of week and will provide temporary run-on control as the road cross slope is pitched back towards the hillslope.
- Completed fill placement for Dinwoody borrow are South Sedimentation Basin embankment. Commence embankment spillway excavation and riprap placement in downstream outfall, Photograph 1.
- Contractor installed GPS tracking unit on CAT D6 dozer which will be used to maintain fill lift thickness and channel excavation slopes.

Sample Collection and Construction Quality Control (CQC)/Construction Quality Assurance (CQA) Testing Performed:

- Surveying: Grade stakes re-surveyed on east slope of ODA to control and maintain cut/fill requirements. Based on previous week's surface topography on the east slope, a CAD surface was generated and overlain the CAD surface created prior to chert fill placement. Based on this overlay, areas requiring additional fill were identified.
- In addition to the CAD surface overlay comparison discussed above, contractor is excavating test trenches every 100 ft to confirm chert thickness, Photograph 2. Areas not having minimum 2.0 ft of chert cover were identified to receive additional material.
- Fill Placement: Final lifts of compacted fill were placed for Dinwoody Borrow, South Sedimentation Pond embankment. CQC density testing indicated greater than 95% compaction for material placed, final density test results pending submittal from Excel. CQA density tests were also taken, Photograph 3, and final test results are also pending submittal from Strata.
- Pipe Bedding: A sample of the pipe bedding being imported from Afton pit was obtained for CQA grain size analysis.
- A total of two discrete and one composite sample of water obtained from two separate seeps were taken for analytical lab testing. The seeps are located immediately west of the South Central Sedimentation Basin area, Photograph 4. These samples were taken to determine how the seep water will be directed as they will eventually be covered as part of the project regarded surface in this area.

Agency Oversight:

USFS representative Mary Kauffman was on-site Monday April 20, 2015.

Upcoming Activities:

- o Continue with the construction of the North and South Dinwoody Borrow Area Run-on control Channels.
- ODA upon approval of final survey and confirmation that chert cover is complete on upper half of slope.
- o Weather permitting, establish compactive effort required to attain minimum 90% compaction of the lower 1 ft of Dinwoddy placed on east slope of ODA.
- o Finish clear and grub in South Central Sedimentation Area and commence rough grading.

Potential Project Issues:

No additional potential project issues have been identified during this reporting period.

Follow-Up/Resolution of Previous Potential Issues:

Photographs



Photograph 1: Placement of riprap for the spillway outfall at the Dinwoody Borrow Area South Sedimentation Basin Embankment.



Photograph 2: Test trench excavations on east slope of ODA cover to check chert thickness.



Photograph 3: Dinwoody Borrow Area South Sedimentation Basin and Embankment. Field engineer testing moisture and density of fill material in spillway excavation subgrade with nuclear densometer.



Photograph 4. Looking south at groundwater seeps immediately west of south Central Sedimentation Basin area.

Weekly Construction Report

Report No. 6

Period of Activity: 04/27/2015 – 05/01/2015

Prepared by: Formation Environmental (on behalf of the J.R. Simplot Company)

Project Owner:

J.R. Simplot Company (Simplot)

Contractor(s) and Equipment:

Contractor, Kilroy LLC (Kilroy), is currently working 10 hrs per day Monday thru Thursday and 8 hrs on Friday. Kilroy is utilizing the following fleet of equipment:

Equipment Type	Quantity
CAT D-6 Dozer	3
CAT D-8 Dozer	2
CAT D-10 Dozer	1
CAT 320 Excavator	1
John Deere 250 Excavator	1
John Deere 350 Excavator	1
John Deere 470 Excavator	1
John Deere 870 Excavator	1
Komatsu 400 Articulating Haul Truck	4
John Deere 410 Articulating Haul Truck	4
CAT 740B Articulating Haul Truck	2
CAT 160H Motor Grader	1
Lube Truck	1
CAT 950K Loader	1
CAT CP433E Pad-foot Roller Compactor	1
CAT 740K Water Truck (8,000 gal)	1

Personnel:

The following personnel were at the site during this time period:

- Simplot:
 - o Grant Williams, Dave Janiak, Monty Johnson
- USFS: Not present during the reporting period.
- Kilroy:
 - o Kit Long, Gregg Matthews plus 24 others that include a surveyor, mechanics, equipment operators and laborers.
- Formation Environmental, Inc.
 - o Jon Friedman

Materials / Equipment Received:

- Approximately 335 tons of pipe bedding imported from Afton pit.
- Approximately 440 tons of road base imported from Afton pit.
- Mobilized 2 CAT 740B articulating haul trucks.

Weather Conditions:

Conditions during this reporting period varied from clear to cloudy with daytime temperatures ranging from the low to mid 30s to the mid 60s (degrees Fahrenheit). Precipitation in the form of snow occurred on Sunday with 1 inch of accumulation and rain that occurred on Thursday morning. Wind with gusts up to 15-20 mph occurred throughout the week.

Description of Activities:

Construction work during this reporting period included:

- South Central Sedimentation Basin
 - o Clear and grub on limited basis
 - o Rake and sort boulders for riprap
- Saddle Infiltration Basin
 - o Clear and grub on limited basis
 - o Rake and sort boulders for riprap
- Dinwoody Borrow Area
 - o General haul road grading maintenance
 - o Clear and grub on limited basis North Sedimentation Basin area. The area was generally too wet to work during this reporting period.
 - O Develop borrow by excavating Dinwoody material in roughly 10 ft benches with excavator working from bench above and loading haul trucks on floor below, Photograph 1.
- ODA Cover Construction.
 - o Continued pushing chert rind on the east side of the ODA, in areas that are lacking minimum cover depth.
 - o Continued hauling Dinwoody material from borrow to east slope ODA upper and mid-slope stockpiles Photograph 2.

Sample Collection and Construction Quality Control (CQC)/Construction Quality Assurance (CQA) Testing Performed:

- Surveying: Continue constant monitoring and resurveying top of chert surface on east slope of ODA to control and maintain fill requirements, Photograph 3.
- In addition to the CAD surface overlay comparison, contractor continued to excavate smaller test pits on 100 ft grid to confirm chert thickness, Photograph 4. Areas not having minimum 2.0 ft of chert cover were identified to receive additional material.

- Fill Placement: All twelve of the CQC density tests performed on the final lifts of compacted fill for the Dinwoody Borrow, South Sedimentation Pond embankment were greater than 95% of the maximum dry density. CQA density tests that were also taken within the embankment indicate that of the six CQA tests performed, two indicated field density of less than the 95% of the maximum dry density which is the minimum density required per the specifications. The contractor has been advised and these two areas will need to be moisture conditioned / recompacted as necessary and re-tested during the following week or two.
- Pipe Bedding: Last week a sample of the pipe bedding being imported from Kilroy's Afton pit was obtained for CQA grain size analysis (GSA). The result of the GSA indicates that the material is within the specified gradation limits.
- Last week two discrete and one composite sample of water obtained from two separate seeps were taken for analytical lab testing. The seeps are located immediately west of the South Central Sedimentation Basin area. Results of the analytical data are presented in ECO #2.

Agency Oversight:

USFS not present during reporting period.

Upcoming Activities:

- o Continue with the construction of the North and South Dinwoody Borrow Area Run-on Control Channels, Photograph 5.
- ODA upon approval of final survey and confirmation that chert cover is complete on upper half of slope.
- Weather permitting, establish compactive effort required to attain minimum 90% compaction of the lower 1 ft of Dinwoddy placed on east slope of ODA.
- o Finish clear and grub in South Central Sedimentation Basin area and commence rough grading.
- o Finish clear and grub in Saddle Sedimentation Basin area and commence rough grading.

Potential Project Issues:

No additional potential project issues have been identified during this reporting period.

Follow-Up/Resolution of Previous Potential Issues:

Agency acceptance of Engineering Change Order #1 was received. ECO #1 addresses the replacement of ½ round CMP with riprap for Dinwoody Borrow South Sedimentation Basin embankment spillway.



Photograph 1: Development of Dinwoody Borrow by excavating from bench above and loading trucks on floor below, looking northeast.



Photograph 2: Dumping Dinwoody material on upper stockpile area of ODA, looking northeast.



Photograph 3: Surveying top of chert surface on east slope of ODA to control and maintain fill requirements, looking southeast.



Photograph 4. Excavation of test pits and placement of grade stakes on east slope of ODA indicating the amount of chert placement needed to achieve minimum depth required.



Photograph 5. Looking south along access cut made for the construction of the South Run-On Control Ditch along west side of Dinwoody borrow area.

Smoky Canyon Mine Non-Time-Critical Removal Action (NTCRA) – 2015 Activities Pole Canyon Overburden Disposal Area

Weekly Construction Report

Report No. 7 Period of Activity: 05/04/2015 – 05/08/2015

Prepared by: Formation Environmental (on behalf of the J.R. Simplot Company)

Project Owner:

J.R. Simplot Company (Simplot)

Contractor(s) and Equipment:

Contractor, Kilroy LLC (Kilroy), is currently working 10 hrs per day Monday through Thursday and 8 hrs on Friday. Kilroy is utilizing the following fleet of equipment:

Equipment Type	Quantity
CAT D-6 Dozer	3
CAT D-8 Dozer	2
CAT D-10 Dozer	1
CAT 320 Excavator	1
John Deere 250 Excavator	1
John Deere 350 Excavator	1
John Deere 470 Excavator	1
John Deere 870 Excavator	1
Komatsu 400 Articulating Haul Truck	4
John Deere 410 Articulating Haul Truck	4
CAT 740B Articulating Haul Truck	3
CAT 160H Motor Grader	1
Lube Truck	1
CAT 950K Loader	1
CAT CP433E Pad-foot Roller Compactor	1
CAT 740K Water Truck (8,000 gal)	1
CAT 815F Pad-foot Roller Compactor	1

Personnel:

The following personnel were at the site during this time period:

- Simplot:
 - o Grant Williams, Dave Janiak, Monty Johnson
- USFS:
 - o Mary Kauffman, Sherri Stumbo
- Kilroy:
 - o Kit Long, Gregg Matthews plus 27 others that include a surveyor, mechanics, equipment operators and laborers.

- Excel Engineering
- Formation Environmental, Inc.
 - o Jon Friedman

Materials / Equipment Received:

- Approximately 488 tons of 2-inch river rock
- Approximately 275 tons of 3-inch minus pit run (structural fill/road base).
- Mobilized 1 CAT 740B articulating haul truck.

Weather Conditions:

Conditions during this reporting period varied from clear to cloudy with daytime temperatures ranging from the mid 30s to the mid 60s (degrees Fahrenheit). Precipitation in the form of rain mixed with sleet occurred on Tuesday afternoon through Thursday. Heavy rain occurred Saturday. Wind with gusts up to 10-15 mph occurred throughout the week.

Description of Activities:

Construction work this reporting period was hindered by precipitation although progress included:

- South Central Sedimentation Basin
 - No Activity
- Saddle Infiltration Basin
 - o Rake and sort boulders for riprap
- Dinwoody Borrow Area
 - o General haul road grading maintenance
 - O Clear and grub on limited basis North Sedimentation Basin area. The area was generally too wet to work during this reporting period.
 - O Continue with borrow pit development by excavating Dinwoody material in roughly 10 ft benches with excavator working from bench above and loading haul trucks on floor below (Photograph 1).
- ODA Cover Construction.
 - O Continued pushing chert rind on the east side of the ODA, in areas that were below minimum cover depth.
 - Commenced placing chert on the upper southeast side of the ODA (Photograph 2).
 - o Continued hauling Dinwoody material from borrow to east slope ODA upper (rind 1) and mid-slope (rind 2) stockpiles.
 - o Resumed hauling remaining run-of-mine center waste from the former run-away haul truck ramp on top west ODA (Photograph 3) to depression on west side of haul road south of blast compound (Photograph 4).

Sample Collection and Construction Quality Control (CQC)/Construction Quality Assurance (CQA) Testing Performed:

• As part of the CQC for the compaction of the first lift of Dinwoody cover on the ODA, contractor conducted a performance specification. The performance specification consisted of testing the field density of the Dinwoody following placement with dozer tracking followed by subsequent passes with pneumatic rubber tired roller compactor pulled by a D6 dozer. The results of the performance specification for the initial lift of Dinwoody placed on the ODA cover are summarized below:

	% of Maximum Dry Density as determined
Compactive Effort	by ASTM D698
Dozer Tracking following placement	89
1 pass with pneumatic roller	90
4 passes with pneumatic roller	91 - 92

Based on the results of the performance specification, the compactive effort required to establish a minimum of 90% of the maximum dry density was established to be 4 passes with the pull behind pneumatic compactor (Photograph 5).

- No other CQC or CQA testing was performed during this period.
- Engineering Change Order No.2 regarding the handling of seep water west of the South Central Sedimentation Basin was submitted for agency review on May 4.

Agency Oversight:

USFS representative Mary Kauffman and Sherri Stumbo on-site Tuesday May 5, 2015.

Upcoming Activities:

- o Continue with the construction of the North and South Dinwoody Borrow Area Run-on Control Channels.
- Commence placement of Dinwoody cover over chert on east slope of ODA upper north panel. This area is referenced as (ES-R1-N) by contractor.
- o Upon approval of ECO#2, initiate underdrain system, finish clear and grub in South Central Sedimentation Area and commence rough grading.
- o Finish clear and grub in Saddle Sedimentation Area and commence rough grading.

Potential Project Issues:

No additional potential project issues have been identified during this reporting period.

Follow-Up/Resolution of Previous Potential Issues:

USFS responded to ECO#2 with desire to keep seep water segregated from South Central Sedimentation Basin. Formation working on revision to ECO that will provide a resolution.



Photograph 1: Excavating material from Dinwoody borrow with excavator working from bench above haul trucks.



Photograph 2: Placement of chert on upper south east side of ODA just east of mine haul road.



Photograph 3: Excavating run-of-mine center waste from upper west side of ODA. Haul truck hauling excavated material to depression south of blasting complex.



Photograph 4. Dumping excavated run-of-mine center waste into depression area south of blasting complex.



Photograph 5. Dozer pulling pneumatic roller compactor as part of the performance specification to establish compactive effort required to achieve 90% of maximum dry density.

Smoky Canyon Mine Non-Time-Critical Removal Action (NTCRA) – 2015 Activities Pole Canyon Overburden Disposal Area

Weekly Construction Report

Report No. 8

Period of Activity: 05/11/2015 – 05/15/2015

Prepared by: Formation Environmental (on behalf of the J.R. Simplot Company)

Project Owner:

J.R. Simplot Company (Simplot)

Contractor(s) and Equipment:

Contractor, Kilroy LLC (Kilroy), is currently working 10 hrs per day Monday thru Thursday and 8 hrs on Friday. Kilroy is utilizing the following fleet of equipment:

Equipment Type	Quantity
CAT D-6 Dozer	3
CAT D-8 Dozer	2
CAT D-10 Dozer	1
CAT 320 Excavator	1
John Deere 250 Excavator	1
John Deere 350 Excavator	1
John Deere 470 Excavator	1
John Deere 870 Excavator	1
Komatsu 400 Articulating Haul Truck	4
John Deere 410 Articulating Haul Truck	4
CAT 740B Articulating Haul Truck	4
CAT 160H Motor Grader	1
Lube Truck	1
CAT 950K Loader	1
CAT CP433E Pad-foot Roller Compactor	1
CAT 740K Water Truck (8,000 gal)	1
CAT 815F Pad-foot Roller Compactor	1

Personnel:

The following personnel were at the site during this time period:

- Simplot:
 - o Grant Williams, Dave Janiak
- USFS:
 - Not present during this reporting period
- Kilroy:
 - Kit Long, Kevin Kilroy plus 27 others that include mechanics, equipment operators and laborers. Jorgensen Associates, P.C. (David Kemper, PLS) providing survey control.

- Excel Engineering
 - o Not present during this reporting period
- Formation Environmental, Inc.
 - o Jon Friedman

Materials / Equipment Received:

None during the reporting period.

Weather Conditions:

Conditions during this reporting period varied from clear to cloudy with daytime temperatures ranging from the upper 30s to the low 60s (degrees Fahrenheit). Precipitation in the form of rain occurred on and off every day of the week. Wind with gusts up to 10 mph occurred on occasion.

Description of Activities:

Construction work this reporting period included:

- South Central Sedimentation Basin
 - o No Activity
- Saddle Infiltration Basin
 - No Activity
- Dinwoody Borrow Area
 - o General haul road grading maintenance
 - o Clear and grub North Sedimentation Basin area on a limited basis as the area was fairly wet (Photograph 1).
 - o Strip top soil north end of borrow area on a limited basis.
 - o Continue with borrow pit development on a limited basis due to precipitation.
- ODA Cover Construction (refer to attached figures for panel nomenclature developed by the contractor).
 - o Continued pushing chert on lower rind on the east side of the ODA.
 - Commenced Dinwoody compaction on the upper north side of the ODA (ES-R1-N) (Photograph 2).
 - o Haul chert from Rind 2 to ES-R2-M and ES-R2-S (Photograph 2).
 - Remove center waste material found just below existing chert cover material along west side of mine haul road (WS-R1-W) and place in center of west side ODA for proper NTCRA cover.
 - o Place Dinwoody material on ES-R1-M.
 - o Continue hauling Dinwoody material from borrow to east slope ODA (ES-R1-S, ES-R1-N and ES-R1-T) (Photograph 2).
 - o Pothole chert layer in ES-R1-M for layer thickness verification.
 - o Removed oversized rocks from chert along upper southeast side of the ODA (Photograph 3).

 Haul chert from west side stockpile (WS-R1-W) to flat area on west side (WS-R2-M).

Sample Collection and Construction Quality Control (CQC)/Construction Quality Assurance (CQA) Testing Performed:

• No CQC or CQA testing was performed during this period.

Agency Oversight:

USFS not present during reporting period.

Upcoming Activities:

- Continue with the construction of the North and South Dinwoody Borrow Area Run-on Control Channels as weather permits.
- Commence placement of Dinwoody cover over chert on east slope of ODA upper north panels. These areas are referenced to as (ES-R1-N) by contractor.
- o Revise and resubmit ECO#2, which will describe a drain system to address seepage in the south-central part of the project area.
- o Upon approval of ECO#2, initiate underdrain system, finish clear and grub in South Central Sedimentation Area and commence rough grading.
- o Finish clear and grub in Saddle Sedimentation Area and commence rough grading.
- o Commence rough grading and chert placement on upper west and south sides of the ODA (west of mine haul road).

Potential Project Issues:

No additional potential project issues have been identified during this reporting period.

Follow-Up/Resolution of Previous Potential Issues:

None to report at this time.



Photograph 1: Looking north towards north end of Dinwoody borrow area. Excavator is grubbing tree stumps that remained following timber clear cut.



Photograph 2: Looking west towards east side ODA. Dump trucks placing chert for placement on lower rind stockpile (ES-R2-S), dozers pushing 1st lift of Dinwoody upper areas ES-R1-M, ES-R1-S) and pull behind pneumatic roller compactor compacting 1st Dinwoody lift upper north panel (ES-R1-N).



Photograph 3: Contractor removing oversized rock fragments from chert placed on east side ODA adjacent to and east of mine haul road (ES-R1-T).

Figures

East Slope Panel Reference LayoutWest Slope Panel Reference Layout





Smoky Canyon Mine Non-Time-Critical Removal Action (NTCRA) – 2015 Activities Pole Canyon Overburden Disposal Area

Weekly Construction Report

Report No. 9

Period of Activity: 05/18/2015 – 05/22/2015

Prepared by: Formation Environmental (on behalf of the J.R. Simplot Company)

Project Owner:

J.R. Simplot Company (Simplot)

Contractor(s) and Equipment:

Contractor, Kilroy LLC (Kilroy), worked 10 hrs per day Monday thru Thursday. Contractor elected to take Friday off in conjunction with the Memorial Day holiday weekend and will resume work Tuesday May 26. Kilroy is utilizing the following fleet of equipment:

Equipment Type	Quantity
CAT D-6 Dozer	3
CAT D-8 Dozer	2
CAT D-10 Dozer	1
CAT 320 Excavator	1
John Deere 250 Excavator	1
John Deere 350 Excavator	1
John Deere 470 Excavator	1
John Deere 870 Excavator	1
Komatsu 400 Articulating Haul Truck	4
John Deere 410 Articulating Haul Truck	4
CAT 740B Articulating Haul Truck	4
CAT 160H Motor Grader	1
Lube Truck	1
CAT 950K Loader	1
CAT CP433E Pad-foot Roller Compactor	1
CAT 740K Water Truck (8,000 gal)	1
CAT 815F Pad-foot Roller Compactor	1

Personnel:

The following personnel were at the site during this time period:

- Simplot:
 - o Grant Williams, Dave Janiak
- USFS:
 - Not present during this reporting period

- Kilroy:
 - Kit Long, Kevin Kilroy plus 27 other personnel that include mechanics, equipment operators and laborers. Jorgensen Associates, P.C. (David Kemper, PLS) providing survey control.
- Excel Engineering
 - Not present during this reporting period
- Formation Environmental, Inc.
 - o Jon Friedman

Materials / Equipment Received:

No materials or equipment were delivered to site during the reporting period.

Weather Conditions:

Conditions during this reporting period varied from clear to cloudy with daytime temperatures ranging from the mid-30s to the upper 50s (degrees Fahrenheit). Precipitation in the form of rain occurred on and off every day of the week. Wind with gusts up to 10 mph occurred on occasion.

Description of Activities:

Construction work this reporting period included:

- South Central Sedimentation Basin
 - No Activity
- Saddle Infiltration Basin
 - No Activity
- Dinwoody Borrow Area
 - o General haul road grading maintenance as needed.
 - Clear and grub North Sedimentation Basin area on a limited basis as the area was fairly wet.
 - o Strip top soil north end of borrow area on limited basis.
 - Continue with borrow pit development on a limited basis due to precipitation.
- ODA Cover Construction.
 - Continued pushing chert from east side Rind 1 (R1) on to panel ES-R1-S and ES-R1-T (Photograph 1).
 - o Continue to haul, on a limited and as needed basis, Dinwoody material from borrow to east slope ODA (ES-R1-S, ES-R1-N and ES-R1-T).
 - Finish with the removal of center waste found just below existing chert cover material along west side of mine haul road (WS-R1-W) and place in center of west side ODA for proper NTCRA cover.
 - Commence chert placement by pushing chert from WS-R1 on to panels WS-R1-W and WS-R1-M (Photograph 2, 3).
 - Haul chert from west side stockpile (WS-R1-W) and place onto flat area on west side WS-R2-M (Photograph 3).

Commence pushing chert from west side rind 2 (WS-R2) down onto WS-R2-W (Photograph 3).

Sample Collection and Construction Quality Control (CQC)/Construction Quality Assurance (CQA) Testing Performed:

- No CQC or CQA geotechnical testing was performed during this period.
- CQC surveying of original ground, chert and Dinwoody surfaces continued as necessary and as progress dictates.

Agency Oversight:

USFS not present during reporting period.

Upcoming Activities:

- Continue with the construction of the North and South Dinwoody Borrow Area Run-on Control Channels if weather permits.
- Continue placement of Dinwoody cover over chert on east slope of ODA upper north ES-R1-N.
- o Commence placement of Dinwoody cover over chert on panel ES-RI-M.
- Upon approval of ECO#2, initiate construction of the underdrain system, finish clear and grub in South Central Sedimentation Area and commence rough grading.
- Finish clear and grub in Saddle Sedimentation Area and commence rough grading.
- o Continue chert placement on upper west side of the ODA (WS-R1-M, WS-R2-M, WS-R1-W and WS-R2-W).

Potential Project Issues:

No additional potential project issues have been identified during this reporting period.

Follow-Up/Resolution of Previous Potential Issues:

None to report at this time.



Photograph 1: Looking northeast towards east side ODA (ES-R1-S). Dozers are pushing chert downslope from Rind 1 onto ES-R1-S and ES-R1-T.



Photograph 2: Looking east from west toe of ODA. Dozers are pushing chert from WS-R1 onto WS-R1-W.



Photograph 3: Looking southwest at west side slopes of the ODA. Foreground, dozers are pushing chert down from WS-R1 onto WS-R1-W (west facing slope). Mid-ground, dozers are pushing chert northwest on WS-R2-M. Background, dozers are pushing chert from WS-R2 down onto WS-R2-W.

Figures

East Slope Panel Reference LayoutWest Slope Panel Reference Layout





Weekly Construction Report

Report No. 10 Period of Activity: 05/25/2015 – 05/29/2015

Prepared by: Formation Environmental (on behalf of the J.R. Simplot Company)

Project Owner:

J.R. Simplot Company (Simplot)

Contractor(s) and Equipment:

Contractor, Kilroy LLC (Kilroy), worked 10 hrs per day Tuesday thru Thursday and 8hrs on Friday. Contractor was not on-site Monday, 25 May in recognition of the Memorial Day holiday. Kilroy is utilizing the following fleet of equipment:

Equipment Type	Quantity
CAT D-6 Dozer	3
CAT D-8 Dozer	2
CAT D-10 Dozer	1
CAT 320 Excavator	1
John Deere 250 Excavator	1
John Deere 350 Excavator	1
John Deere 470 Excavator	1
John Deere 870 Excavator	1
Komatsu 400 Articulating Haul Truck	4
John Deere 410 Articulating Haul Truck	4
CAT 740B Articulating Haul Truck	4
CAT 160H Motor Grader	1
Lube Truck	1
CAT 950K Loader	1
CAT CP433E Pad-foot Roller Compactor	1
CAT 740K Water Truck (8,000 gal)	1
CAT 815F Pad-foot Roller Compactor	1

Personnel:

- Simplot:
 - o Grant Williams, Dave Janiak
- USFS:
 - Not present during this reporting period

- Kilroy:
 - Kit Long, Kevin Kilroy plus 32 other personnel that include mechanics, equipment operators and laborers. Jorgensen Associates, P.C. (David Kemper, PLS) providing survey control.
- Xcel Engineering
 - Not present during this reporting period
- Formation Environmental, Inc.
 - o Jon Friedman

No materials or equipment were delivered to site during the reporting period.

Weather Conditions:

Conditions during this reporting period varied from partly cloudy to cloudy with daytime temperatures ranging from the mid-30s to the upper 50s (degrees Fahrenheit). Precipitation in the form of rain occurred on and off every day of the week. Wind with gusts from 5 to 10 mph occurred on occasion.

Description of Activities:

With precipitation occurring every day of the week, construction activity was hindered. Construction work this reporting period included:

- South Central Sedimentation Basin
 - No Activity
- Saddle Infiltration Basin
 - No Activity
- Dinwoody Borrow Area
 - o General haul road grading maintenance as needed.
 - Clear and grub North Sedimentation Basin area on a very limited basis as the area was fairly wet.
- ODA Cover Construction.
 - Haul additional chert from Windy Gap stockpile to WS-R1 and WS-R2.
 Windy Gap stockpile was derived from mine panels A/B.
 - Continue chert placement by pushing chert from WS-R1 on to panels WS-R1-W, WS-R2-W, WS-R1-M and WS-R2-M (Photograph 1 and 2).
 - o Continue potholing chert layer in WS-R1-W, WS-R2-W and WS-R1-M for layer thickness verification (Photograph 1 and 2).
 - Commence chert placement by pushing chert from WS-R2 on to panels WS-R2-W and WS-R2-M (Photograph 3 and 4).

Sample Collection and Construction Quality Control (CQC)/Construction Quality Assurance (CQA) Testing Performed:

• No CQC or CQA geotechnical testing was performed during this period.

- CQC surveying of original ground, chert and Dinwoody surfaces continued as necessary.
- CQC cover thickness verification continued by excavating small test pits in WS-R1-W, WS-R1-M, and WS-R2-M.

Agency Oversight:

USFS not present during reporting period.

Upcoming Activities:

- Continue with the construction of the North and South Dinwoody Borrow Area Run-on Control Channels as weather permits.
- o Continue placement of Dinwoody cover over chert on east slope of ODA upper north and south panels (ES-R1-N, ES-R1-M and ES-R1-S).
- Initiate construction of the underdrain system for the South Sedimentation seeps, finish clear and grub in South Central Sedimentation Area and commence rough grading.
- o Finish clear and grub in Saddle Sedimentation Area and commence rough grading.
- Continue to haul chert from Windy Gap to west side ODA rinds to makeup deficit. The amount needed is approximately 30,000 cubic yards in total.
- o Commence placement of Dinwoody cover material on upper west and south sides of west ODA (WS-R1-W, WS-R1-M and WS-R2-M).

Potential Project Issues:

No additional potential project issues have been identified during this reporting period.

Follow-Up/Resolution of Previous Potential Issues:

Engineering Change Order #2 was approved by USFS, May 27, 2015.

Photographs



Photograph 1: Looking north on west side of ODA cover. Dozers are pushing chert down slope from WS-R1 on to WS-R1-W. Track hoe is excavating test pits to verify soil cover thickness as part of the CQC process.



Photograph 2: Looking north-northwest at WS-R1-W as dozer push chert and track hoe excavates test pits for layer thickness verification.



Photograph 3: Looking northeast towards WS-R2-M and WS-R1-M. Dozers are pushing chert downslope to the west.



Photograph 4. Looking soth towards WS-R2, WS-R2-W with initial chert cover placed on upper portion of slope. North end of Dinwoody Borrow is shown on right side of photograph.

Figures

East Slope Panel Reference LayoutWest Slope Panel Reference Layout





Weekly Construction Report

Report No. 11 Period of Activity: 06/01/2015 – 06/05/2015

Prepared by: Formation Environmental (on behalf of the J.R. Simplot Company)

Project Owner:

J.R. Simplot Company (Simplot)

Contractor(s) and Equipment:

Contractor, Kilroy LLC (Kilroy), resumed working 10 hrs per day Monday thru Thursday and 8hrs on Friday. Kilroy is utilizing the following fleet of equipment:

Equipment Type	Quantity
CAT D-6 Dozer	3
CAT D-8 Dozer	2
CAT D-10 Dozer	1
CAT 320 Excavator	1
John Deere 250 Excavator	1
John Deere 350 Excavator	1
John Deere 470 Excavator	1
John Deere 870 Excavator	1
Komatsu 400 Articulating Haul Truck	5
John Deere 410 Articulating Haul Truck	5
CAT 740B Articulating Haul Truck	4
CAT 160H Motor Grader	1
Lube Truck	1
CAT 950K Loader	1
CAT CP433E Pad-foot Roller Compactor	1
CAT 740K Water Truck (8,000 gal)	1
CAT 815F Pad-foot Roller Compactor	1

Personnel:

- Simplot:
 - o Grant Williams, Dave Janiak
- USFS:
 - Not present during this reporting period
- Kilroy:
 - Kit Long, Kevin Kilroy plus 32 other personnel that include mechanics, equipment operators and laborers. Jorgensen Associates, P.C. (David Kemper, PLS and Jake Bates, SIT) providing survey control.

- Xcel Engineering
 - o Not present during this reporting period
- Formation Environmental, Inc.
 - Jon Friedman

No materials or equipment were delivered to site during the reporting period.

Weather Conditions:

Conditions during this reporting period varied from partly cloudy to cloudy with daytime temperatures ranging from the mid-30s to the upper 60s (degrees Fahrenheit). Precipitation in the form of rain occurred on Thursday. Wind with gusts up to 10 mph occurred on occasion.

Description of Activities:

Construction work this reporting period included:

- South Central Sedimentation Basin
 - No Activity
- Saddle Infiltration Basin
 - No Activity
- Dinwoody Borrow Area
 - o General haul road grading maintenance as needed.
 - o Clear and grub North Sedimentation Basin area on a limited basis.
 - Resume excavating and hauling Dinwoody borrow material to ODA (Photograph 1). Areas hauled to include WS-R1 on the west side of the ODA and to ES-R1-N and ES-R1-M on the east side of the ODA.
- ODA Cover Construction.
 - o Haul additional chert from Windy Gap stockpile to WS-R1 and WS-R2.
 - o Complete chert placement on WS-R1-W.
 - o Continue potholing chert layer in WS-R1-W, WS-R2-W and WS-R1-M for layer thickness verification (Photograph 2).
 - Continue chert placement by pushing chert from WS-R2 on to panels WS-R2-W and WS-R2-M (Photograph 2).
 - Commence Dinwoody haul to stockpile to WS-R1, WS-R1-W and WS-R1-M (Photograph 3).
 - Resume Dinwoody haul to stockpile, on a limited basis, to ES-R1-N and ES-R1-M.

Sample Collection and Construction Quality Control (CQC)/Construction Quality Assurance (CQA) Testing Performed:

- No CQC or CQA geotechnical testing was performed during this period.
- CQC surveying of chert surfaces continued as necessary (Photograph 4).

• CQC cover thickness verification continued by excavating small test pits in WS-R1-M, WS-R2-M and upper portion of WS-R2-W.

Agency Oversight:

USFS not present during reporting period.

Upcoming Activities:

- o Continue with the construction of the North and South Dinwoody Borrow Area Run-on Control Channels as weather permits.
- o Continue placement of Dinwoody cover over chert on east slope of ODA upper north, middle and south panels (ES-R1-N, ES-R1-M and ES-R1-S).
- Initiate construction of the underdrain system for the South Sedimentation seeps, finish clear and grub in South Central Sedimentation Area and commence rough grading.
- Finish clear and grub in Saddle Sedimentation Area and commence rough grading.
- Continue to haul chert from Windy Gap to west side ODA rinds to makeup deficit. The amount needed is approximately 30,000 cubic yards in total.
- o Commence placement of Dinwoody cover material on upper west and south sides of west ODA (WS-R1-W, WS-R1-M and WS-R2-M).

Potential Project Issues:

No additional potential project issues have been identified during this reporting period.

Follow-Up/Resolution of Previous Potential Issues:

Nothing to report.

Photographs



Photograph 1: Looking south towards Dinwoody borrow area. Excavator is loading haul trucks in middle of picture. North sedimentation basin area has been cleared of timber but stump, slash and topsoil removal remains to be completed.



Photograph 2: Looking south at WS-R2-W and WS-R2. Dozers are pushing chert down slope from WS-R2 stockpile and excavator is potholing to confirm minimum 2 feet of chert cover has been placed.



Photograph 3: Looking southwest towards Dinwoody borrow area. Haul trucks are hauling Dinwoody material from borrow area to WS-R1. Dozer in foreground is maintaining rind and safety berm. Dozer in mid-ground is pushing chert downslope on WS-R2-M.



Photograph 4: Looking northeast towards WS-R1, WS-R1-W and WS-R1-M. Surveyors are confirming layer thickness by taking shots on top of the chert layer.

Figures

East Slope Panel Reference LayoutWest Slope Panel Reference Layout





Weekly Construction Report

Report No. 12 Period of Activity: 06/08/2015 – 06/12/2015

Prepared by: Formation Environmental (on behalf of the J.R. Simplot Company)

Project Owner:

J.R. Simplot Company (Simplot)

Contractor(s) and Equipment:

Contractor, Kilroy LLC (Kilroy), worked 10 hrs per day Monday thru Thursday and 8hrs on Friday. Kilroy is utilizing the following fleet of equipment:

Equipment Type	Quantity
CAT D-6 Dozer	3
CAT D-8 Dozer	2
CAT D-10 Dozer	1
CAT 320 Excavator	1
John Deere 250 Excavator	1
John Deere 350 Excavator	1
John Deere 470 Excavator	1
John Deere 870 Excavator	1
Komatsu 400 Articulating Haul Truck	5
John Deere 410 Articulating Haul Truck	4
CAT 740B Articulating Haul Truck	4
CAT 160H Motor Grader	1
Lube Truck	1
CAT 950K Loader	1
CAT CP433E Pad-foot Roller Compactor	1
CAT 740K Water Truck (8,000 gal)	1
CAT 815F Pad-foot Roller Compactor	1

Personnel:

- Simplot:
 - o Grant Williams (on vacation this week), Dave Janiak
- USFS:
 - Not present during this reporting period
- Kilroy:
 - Kit Long, Kevin Kilroy plus 32 other personnel that include mechanics, equipment operators and laborers. Jorgensen Associates, P.C. (David Kemper, PLS and Jake Bates, SIT) providing survey control.

- Xcel Engineering
 - Not present during this reporting period
- Formation Environmental, Inc.
 - o Jon Friedman

No materials or equipment were delivered to site during the reporting period.

Weather Conditions:

Conditions during this reporting period varied from cloudy and overcast to clear with daytime temperatures ranging from the upper-30s to the mid-70s (degrees Fahrenheit). Precipitation in the form of heavy rain with hail occurred on Tuesday as the result of a localized cloud burst. The rain gauge located near the mill complex measured 0.66 inches in 20 minutes. Wind with gusts up to 5-10 mph occurred on occasion throughout the week.

Description of Activities:

Construction work this reporting period included:

- South Central Sedimentation Basin
 - No Activity
- Saddle Infiltration Basin
 - No Activity
- Dinwoody Borrow Area
 - o General haul road grading maintenance as needed.
 - o Clear and grub North Sedimentation Basin area on limited basis.
 - Strip top soil to stockpile North Sedimentation Basin area on limited basis (Photograph 1).
 - Continue excavating and hauling Dinwoody borrow material to ODA (Photograph 2).
- ODA Cover Construction.
 - o Resume chert haul to ES-R2.
 - Continue Dinwoody haul to stockpile to WS-R1, WS-R1-W and WS-R1-M (Photograph 3a and 3b).
 - Resume Dinwoody haul to stockpile, on a limited basis, to ES-R1-S and ES-R1-M.
 - Remove and replace silt fences that were compromised by the runoff associated with the Tuesday afternoon storm event (Photograph 4a and 4b).

The cab of a John Deere articulating haul truck was accidentally laid on its side while driver attempted to turn around with a full load on the lower east side R2 chert stockpile. The cause of the incident has been determined to be due to the sharp angle of approach the driver made in navigating turn into the hillslope. The bed of the truck, which was carrying a full load of chert, remained upright even

though the cab rolled to its side. The driver was uninjured. The truck was taken off-site for repairs. The number of articulating haul trucks on-site has now been reduced to 13. Driver of the haul truck had approximately 3,400 hours operating this type of vehicle and was the most experienced driver on-site for the contractor.

Sample Collection and Construction Quality Control (CQC)/Construction Quality Assurance (CQA) Testing Performed:

- No CQC or CQA geotechnical testing was performed during this period.
- CQC surveying of chert surfaces continued as necessary.
- CQC cover thickness verification continued by excavating small test pits on west side as needed

Agency Oversight:

USFS not present during reporting period.

Upcoming Activities:

- Continue with the construction of the North and South Dinwoody Borrow Area Run-on Control Channels as weather permits.
- o Continue placement of Dinwoody cover over chert on east slope of ODA upper north, middle and south panels (ES-R1-N, ES-R1-M and ES-R1-S).
- Initiate construction of the underdrain system for the South Sedimentation seeps, finish clear and grub in South Central Sedimentation Area and commence rough grading.
- o Finish clear and grub in Saddle Sedimentation Area and commence rough grading.
- Commence placement of first (lower 1 foot) lift of Dinwoody cover material on upper west and south sides of west ODA (WS-R1-W, WS-R1-M and WS-R2-M).
- Commence placement of second (middle 1 foot lift) of Dinwoody cover material on upper east side ODA including ES-R1-N, ES-R1-M and ES-R1-S.

Potential Project Issues:

No additional potential project issues have been identified during this reporting period.

Follow-Up/Resolution of Previous Potential Issues:

Nothing to report.

Photographs



Photograph 1: Looking northwest towards north end of Dinwoody borrow area and North Dinwoody Sedimentation Basin. Dozer is stripping topsoil to stockpile.



Photograph 2: Looking southwest towards middle of Dinwoody borrow area as articulating haul trucks line-up to be loaded by excavator.



Photograph 3a: Looking northwest towards WS-R1 as Dinwoody material is being hauled to rind stockpile while dozer is maintaining mine haul road safety berm.



Photograph 3b: Looking northeast towards WS-R1 as Dinwoody material is being hauled to rind stockpile while dozer maintains safe conditions.



Photograph 4a: Looking south along silt fences downstream of temporary east side sedimentation pond, Wednesday morning 6-10-15. Sediment and silt fences were removed and new silt fences were installed.



Photograph 4b: Looking south east immediately downstream of Photograph 4a above. In addition to the removal and replacement of the silt fences just upstream, a series of three silt fences were installed downstream at this location, Wednesday afternoon 6-10-15.

Figures

East Slope Panel Reference LayoutWest Slope Panel Reference Layout





Weekly Construction Report

Report No. 13 Period of Activity: 06/15/2015 – 06/19/2015

Prepared by: Formation Environmental (on behalf of the J.R. Simplot Company)

Project Owner:

J.R. Simplot Company (Simplot)

Contractor(s) and Equipment:

Contractor, Kilroy LLC (Kilroy), worked 10 hrs per day Monday thru Thursday and 8hrs on Friday. Kilroy is utilizing the following fleet of equipment:

Equipment Type	Quantity
CAT DK-5 Dozer	1
CAT D-6 Dozer	3
CAT D-8 Dozer	2
CAT D-10 Dozer	1
CAT 320 Excavator	1
John Deere 250 Excavator	1
John Deere 350 Excavator	1
John Deere 470 Excavator	1
John Deere 870 Excavator	1
Komatsu 400 Articulating Haul Truck	5
John Deere 410 Articulating Haul Truck	4
CAT 740B Articulating Haul Truck	4
CAT 160H Motor Grader	1
Lube Truck	1
CAT 950K Loader	1
CAT CP433E Pad-foot Roller Compactor	1
CAT 740K Water Truck (8,000 gal)	1
CAT 815F Pad-foot Roller Compactor	1

Personnel:

- Simplot:
 - o Grant Williams, Dave Janiak
- USFS:
 - o Mary Kauffman (June 17, 2015)
- Kilroy:
 - Kit Long, Kevin Kilroy, Jeff Zelazoski plus 32 other personnel that include mechanics, equipment operators and laborers. Jorgensen Associates, P.C. (David Kemper, PLS) providing survey control.

- Xcell Engineering
 - o Not present during this reporting period
- Formation Environmental, Inc.
 - Jon Friedman

No materials or equipment were delivered to site during the reporting period.

Weather Conditions:

Conditions during this reporting period varied from cloudy and overcast to clear with daytime temperatures ranging from the low-40s to the upper-70s (degrees Fahrenheit). Precipitation in the form of rain occurred on Monday as the result of a localized cloud burst. The rain gauge located near the mill complex measured 0.2 inches in about 12hrs. Wind with gusts up to 5 mph occurred on occasion throughout the week.

Description of Activities:

Construction work this reporting period included:

- South Central Sedimentation Basin
 - Underdrain to provide hydraulic relief under embankment fill just west of sedimentation basin (ECO#2) was staked for construction.
- East Sedimentation Basin
 - Clean-out existing temporary sedimentation basin and haul sediment to depression area south of blast complex. Slash placed at inlet and outlet to act as energy dissipation and sediment filters (Photographs 1a and 1b).
 - Commence excavation for the sedimentation basin. Excavated material from near surface was hauled to the depression area immediately south of the blast complex, spread to air dry and will be mixed with other random fill placed in this area. Material excavated at greater depths was hauled to the east toe of the ODA and spread to less than 1 foot thick and will be covered with chert and Dinwoody.
- Saddle Infiltration Basin
 - No Activity
- Dinwoody Borrow Area
 - o General haul road grading maintenance as needed.
 - Clear and grub remaining North Sedimentation Basin area on limited basis.
 - Continue to strip top soil to stockpile North Sedimentation Basin area on limited basis.
 - Continue excavating and hauling Dinwoody borrow material to ODA east and west R1.
- ODA Cover Construction.
 - Place chert by pushing downslope from R2 onto ES-R2-N, ES-R2-M and ES-R2-S (Photographs 2a and 2b).
 - o Resume Dinwoody haul to stockpile, to ES-R1-N, ES-R1-M and ES-R1-S.

- Continue to push chert downslope WS-R1-W and WS-R2-W (Photographs 3a and 3b).
- o Continue Dinwoody haul to stockpile to WS-R1 and WS-R1-W.

Sample Collection and Construction Quality Control (CQC)/Construction Quality Assurance (CQA) Testing Performed:

- No CQC or CQA geotechnical testing was performed during this period.
- CQC surveying of chert and Dinwoody cover surfaces continued as necessary.
- CQC cover thickness verification continued by excavating small test pits on east and west side ODA as needed (Photographs 2a, 2b, 3a and 3b).

Agency Oversight:

Mary Kauffman with the USFS was on-site June 17 for monthly inspection.

Upcoming Activities:

- Complete the construction the East Sedimentation Basin and temporary upstream sedimentation basin and access road.
- o Continue with the construction of the North and South Dinwoody Borrow Area Run-on Control Channels as weather and conditions permits.
- Complete construction of the underdrain system for the South Sedimentation seeps (ECO#2), finish clear and grub in South Central Sedimentation Area and commence rough grading for sedimentation basin
- Finish clear and grub in Saddle Sedimentation Area and commence rough grading.
- Commence placement of first (lower 1 foot) lift of Dinwoody cover material on upper west and south sides of west ODA (WS-R1-W, WS-R1-M and WS-R2-M).
- Commence placement of second (middle 1 foot lift) of Dinwoody cover material on upper east side ODA including ES-R1-N, ES-R1-M and ES-R1-S.

Potential Project Issues:

No additional potential project issues have been identified during this reporting period.

Follow-Up/Resolution of Previous Potential Issues:



Photograph 1a: Looking east towards temporary sedimentation pond east side ODA following clean-up several days after the June 9 storm event.



Photograph 1b: Looking east downstream of temporary sedimentation pond east side ODA following clean-up several days after the June 9 storm event.



Photograph 2a: Looking east down east slope of ODA. Dozers are pushing chert onto ES-R2-N and ES-R2-M. Test pits above rind excavated as part of QC to maintain required thickness.



Photograph 2b: Looking northwest towards east slope of ODA. Confirmation of cover thickness (chert) maintained by continuous survey by use of grade stakes and test pits.



Photograph 3a: Looking south at WS-R2-W. Dozers advancing chert cover on lower WS-R1-W and WS-R2-W. Test pits to confirm chert layer thickness excavated on upper WS-R2-W.



Photograph 3b: Looking southwest towards upper WS-R2-W and north end of Dinwoody borrow. Test pits excavated to monitor and confirm chert thickness.

Figures

East Slope Panel Reference LayoutWest Slope Panel Reference Layout





Smoky Canyon Mine Non-Time-Critical Removal Action (NTCRA) – 2015 Activities Pole Canyon Overburden Disposal Area

Weekly Construction Report

Report No. 14

Period of Activity: 06/22/2015 – 06/26/2015

Prepared by: Formation Environmental (on behalf of the J.R. Simplot Company)

Project Owner:

J.R. Simplot Company (Simplot)

Contractor(s) and Equipment:

Contractor, Kilroy LLC (Kilroy), worked 10 hrs per day Monday thru Thursday and 8hrs on Friday. Kilroy is utilizing the following fleet of equipment:

Equipment Type	Quantity
CAT DK-5 Dozer	1
CAT D-6 Dozer	3
CAT D-8 Dozer	3
CAT D-10 Dozer	1
CAT 320 Excavator	1
John Deere 250 Excavator	1
John Deere 350 Excavator	1
John Deere 870 Excavator	1
Komatsu 400 Articulating Haul Truck	4
John Deere 410 Articulating Haul Truck	3
CAT 740B Articulating Haul Truck	6
CAT 160H Motor Grader	1
Lube Truck	1
CAT 966G Loader	1
CAT CP433E Pad-foot Roller Compactor	1
CAT 740K Water Truck (8,000 gal)	1

Personnel:

The following personnel were at the site during this time period:

- Simplot:
 - o Grant Williams, Dave Janiak
- USFS:
 - Not present
- Kilroy:
 - Kit Long, Kevin Kilroy, Jeff Zelazoski plus 32 other personnel that include grade check, mechanics, equipment operators and laborers. Jorgensen Associates, P.C. (David Kemper, PLS) providing survey control.

- Xcell Engineering
 - o Not present during this reporting period
- Formation Environmental, Inc.
 - o Jon Friedman

Materials / Equipment Received:

Two CAT 740B articulating haul trucks transported to project site 6-24-15.

Weather Conditions:

Conditions during this reporting period were clear with daytime temperatures ranging from the low 40s to the low 80s (degrees Fahrenheit). Wind with gusts less than 5 mph occurred on occasion throughout the week.

Description of Activities:

Construction work this reporting period included:

- South Central Sedimentation Basin
 - o No Activity
- East Sedimentation Basin
 - Complete temporary sedimentation basin immediately upstream of permanent sedimentation basin. Temporary basin excavated to a depth of 5 feet over a footprint of approximately 6,000 ft² thus providing ample capacity as a BMP measure (Photograph 1).
 - Continue excavation and fill placement for the sedimentation basin and berms as designed. Place riprap for flow through sediment berm in center of basin (Photograph 2).
- Saddle Infiltration Basin
 - No Activity
- Dinwoody Borrow Area
 - o General haul road grading maintenance as needed.
 - Clear and grub remaining North Sedimentation Basin area on limited basis.
 - Continue to strip top soil to stockpile North Sedimentation Basin area on limited basis. Material in this area is still quite wet.
 - Continue excavating and hauling Dinwoody borrow material to ODA east and west R1.
- ODA Cover Construction.
 - Continue chert placement by pushing downslope from R2 onto lower portions of ES-R2-N, ES-R2-M and ES-R2-S.
 - o Continue Dinwoody haul to stockpiles ES-R1-N, ES-R1-M and ES-R1-S (Photograph 3a and 3b).
 - Complete chert placement on lower portions of WS-R1-W and WS-R2-W (Photographs 4a and 4b).
 - o Continue Dinwoody haul to stockpile to WS-R1 and WS-R1-W.

Sample Collection and Construction Quality Control (CQC)/Construction Quality Assurance (CQA) Testing Performed:

- Geotechnical CQC or CQA testing was not performed during this period.
- CQC surveying of chert and Dinwoody cover surfaces continued as necessary (Photograph 4b).
- CQC cover thickness verification continued by excavating small test pits on east and west side ODA as needed.

Agency Oversight:

USFS not present during this reporting period. Greater Yellowstone Coalition toured mine site Wednesday June 24. MSHA toured mine site Thursday June 25 and Friday June 26.

Upcoming Activities:

- o Conduct CQC and CQA field density testing of East Sedimentation Basin berms that were constructed per design.
- o Continue with the construction of the North and South Dinwoody Borrow Area Run-on Control Channels as weather and conditions permit.
- o Complete construction of the underdrain system for the South Sedimentation seeps (ECO#2), finish clear and grub in South Central Sedimentation Area and commence rough grading for sedimentation basin.
- o Finish clear and grub in Saddle Infiltration Basin area and commence rough grading.
- Placement of first (lower 1 foot) lift of Dinwoody cover material on upper west and south sides of west ODA (WS-R1-W, WS-R1-M and WS-R2-M).
- o Placement of second (middle 1 foot lift) of Dinwoody cover material on upper east side ODA including ES-R1-N, ES-R1-M and ES-R1-S.
- o Initiate construction of Southeast Runoff Ditch/Chute from bottom up.

Potential Project Issues:

No additional potential project issues have been identified during this reporting period.

Follow-Up/Resolution of Previous Potential Issues:



Photograph 1: Looking east towards temporary sedimentation pond mid-ground on east side ODA and construction equipment in background working on the permanent sedimentation basin.



Photograph 2: Looking south along rock fill flow through berm in East Sedimentation Basin.



Photograph 3a: Looking southeast on top of east side ODA. Haul trucks are hauling Dinwoody to ES-R1-S. Passenger vehicle is parked on pad for blast compound future location.



Photograph 3b: Looking southeast along R1 at haul truck dumping Dinwoody material on stockpile east side of ODA.



Photograph 4a: Looking northeast towards WS-R2-W. Dozer fine grading chert cover layer on lower WS-R1-W and WS-R2-W. Survey crew taking total station readings to confirm chert layer thickness on upper WS-R2-W.



Photograph 4b: Close-up view of Photograph 4a. Survey crew taking total station readings to confirm chert layer thickness on upper WS-R2-W with Dinwoody rind R1 above .

Figures

East Slope Panel Reference Layout

West Slope Panel Reference Layout





Smoky Canyon Mine Non-Time-Critical Removal Action (NTCRA) – 2015 Activities Pole Canyon Overburden Disposal Area

Weekly Construction Report

Report No. 15 Period of Activity: 06/29/2015 – 07/03/2015

Prepared by: Formation Environmental (on behalf of the J.R. Simplot Company)

Project Owner:

J.R. Simplot Company (Simplot)

Contractor(s) and Equipment:

Contractor, Kilroy LLC (Kilroy), worked 10 hrs per day Monday thru Wednesday. Thursday and Friday were taken off in recognition of the 4th of July holiday. Kilroy is currently utilizing the following fleet of equipment:

Equipment Type	Quantity
CAT DK-5 Dozer	1
CAT D-6 Dozer	3
CAT D-8 Dozer	3
CAT D-10 Dozer	1
CAT 320 Excavator	1
John Deere 250 Excavator	1
John Deere 350 Excavator	1
John Deere 870 Excavator	1
Komatsu 400 Articulating Haul Truck	4
John Deere 410 Articulating Haul Truck	3
CAT 740B Articulating Haul Truck	6
CAT 160H Motor Grader	1
Lube Truck	1
CAT 966G Loader	1
CAT CP433E Pad-foot Roller Compactor	1
CAT 740K Water Truck (8,000 gal)	1

Personnel:

The following personnel were at the site during this time period:

- Simplot:
 - o Grant Williams, Dave Janiak
- USFS:
 - Not present
- Kilroy:
 - Kit Long, Kevin Kilroy, Jeff Zelazoski plus 32 other personnel that include grade check, mechanics, equipment operators and laborers. Jorgensen Associates, P.C. (David Kemper, PLS) providing survey control.

- Xcell Engineering, LC
 - o Paul Bastian
- Formation Environmental, Inc.
 - Jon Friedman
- Strata
 - Scott Meyers

Materials / Equipment Received:

No materials or equipment received this week.

Weather Conditions:

Conditions during this reporting period were clear with daytime temperatures ranging from the low-40s to the upper-80s (degrees Fahrenheit). Wind less than 5 mph occurred on occasion throughout the week.

Description of Activities:

Construction work this reporting period included:

- South Central Sedimentation Basin
 - No Activity
- East Sedimentation Basin
 - o Complete excavation and fill placement for sedimentation basin.
 - Complete placement of riprap for flow through sediment berm in center of basin.
- Saddle Infiltration Basin
 - No Activity
- Dinwoody Borrow Area
 - o General haul road grading maintenance as needed.
 - Clear and grub remaining North Sedimentation Basin area on limited basis.
 - Continue to strip top soil to stockpile North Sedimentation Basin area on limited basis. Material in this area is still quite wet due to patches of remaining snow.
 - Continue excavating and hauling Dinwoody borrow material to ODA east and west R1.
- ODA Cover Construction.
 - Continue chert placement by pushing downslope from R2 onto lower portions of ES-R2-N, ES-R2-M and ES-R2-S.
 - Haul chert from east side R2-S stockpile to R2-N and R2-M for eventual placement (Photograph 1).
 - Continue Dinwoody haul to stockpiles ES-R1-N, ES-R1-M and ES-R1-S on limited basis.
 - o Commence Dinwoody placement onto WS-R1-W, WS-R1-M, WS-R2M and WS-R2-W (Photograph 2).

o Continue Dinwoody haul to stockpile to WS-R1 and WS-R1-W.

Sample Collection and Construction Quality Control (CQC)/Construction Quality Assurance (CQA) Testing Performed:

- Geotechnical CQC testing was performed for material placed for the East Sedimentation Basin downstream embankment. A total of nine nuclear densometer tests were conducted by contractor's 3rd party geotechnical engineer (Xcell Engineering) to confirm minimum compaction requirements were achieved. All nine tests indicated that a minimum of 95% of the maximum density, as determined by ASTM d 698, was achieved and that fill placement was acceptable.
- Geotechnical CQA tests of the material placed for the East Sedimentation Basin downstream embankment were also performed by engineer's 3rd party geotechnical engineer (Strata). Results of these test is pending the outcome of a Proctor test being run on material excavated from the field density test locations (Photograph 3a and 3b).
- CQC surveying of chert and Dinwoody cover surfaces continued as necessary (Photograph 4).
- CQC cover thickness verification continued by excavating small test pits on east and west side ODA as needed.

Agency Oversight:

USFS not present during this reporting period. Next site inspection by USFS is scheduled for Monday, July 27.

Upcoming Activities:

- Continue with the construction of the North and South Dinwoody Borrow Area Run-on Control Channels as weather and conditions permit.
- Complete construction of the underdrain system for the South Sedimentation seeps (ECO#2), finish clear and grub in South Central Sedimentation Area and commence topsoil removal and rough grading for sedimentation basin.
- Finish clear and grub in Saddle Sedimentation Area, commence topsoil removal and rough grading.
- Continue with the placement of first (lower 1 foot) lift of Dinwoody cover material on upper west and south sides of west ODA (WS-R1-W, WS-R1-M and WS-R2-M).
- Placement of second (middle 1 foot lift) of Dinwoody cover material on upper east side ODA including ES-R1-N, ES-R1-M and ES-R1-S.
- Initiate construction of Southeast Runoff Ditch/Chute from bottom up.

Potential Project Issues:

No additional potential project issues have been identified during this reporting period.

Follow-Up/Resolution of Previous Potential Issues:



Photograph 1: Looking south from upper surface of east side ODA. Chert stockpiled in R2-S being hauled to R2-N and R2-M.



Photograph 2: Looking south at west side ODA. Initial 1 foot lift of Dinwoody being placed with haul trucks and dozer on WS-R2-W and WS-R2-M (mid-ground). Initial 1 foot lift of Dinwoody being pushed from WS-R1 rind (foreground). Note that contractor was able to stockpile Dinwoody material to establish rind while maintaining mine haul road safety berm.



Photograph 3a: Looking east at flow through riprap sediment berm and downstream embankment of East Sedimentation Basin. Strata field engineer is crouched in lower right test pit



Photograph 3b: Looking north along downstream berm crest of East Sedimentation Basin at Strata filed engineer checking soil compaction with nuclear densometer.



Photograph 4: Looking southeast from top of east side ODA. Survey grade check taking total station readings to confirm chert layer thickness on lower ES-R1-M.

Figures

East Slope Panel Reference Layout

West Slope Panel Reference Layout





Smoky Canyon Mine Non-Time-Critical Removal Action (NTCRA) – 2015 Activities Pole Canyon Overburden Disposal Area

Weekly Construction Report

Report No. 16 Period of Activity: 07/06/2015 – 07/10/2015

Prepared by: Formation Environmental (on behalf of the J.R. Simplot Company)

Project Owner:

J.R. Simplot Company (Simplot)

Contractor(s) and Equipment:

Contractor, Kilroy LLC (Kilroy), worked 10 hrs per day Monday thru Thursday and 8 hrs on Friday. Kilroy is currently utilizing the following fleet of equipment:

Equipment Type	Quantity
CAT DK-5 Dozer	1
CAT D-6 Dozer	3
CAT D-8 Dozer	3
CAT D-10 Dozer	1
CAT 320 Excavator	1
John Deere 250 Excavator	1
John Deere 350 Excavator	1
John Deere 870 Excavator	1
Komatsu 400 Articulating Haul Truck	4
CAT 740B Articulating Haul Truck	7
CAT 160H Motor Grader	1
Lube Truck	1
CAT 966G Loader	1
CAT CP433E Pad-foot Roller Compactor	1
CAT 740K Water Truck (8,000 gal)	1

Personnel:

The following personnel were at the site during this time period:

- Simplot:
 - o Grant Williams
- USFS:
 - Not present
- Kilrov:
 - Kit Long, Kevin Kilroy, Jeff Zelazoski plus 32 other personnel that include grade check, mechanics, equipment operators and laborers. Jorgensen Associates, P.C. (David Kemper, PLS) providing survey control.
- Xcell Engineering, LC
 - Not present

- Formation Environmental, Inc.
 - o Jon Friedman
- Strata
 - Not present

Materials / Equipment Received:

One Komatsu 400 and three CAT 740B articulating haul trucks were mobilized to site. Three John Deere 410 articulating haul trucks were de-mobilized from site.

Weather Conditions:

Conditions during this reporting period varied from clear to cloudy with rain.

Measurable precipitations occurred every day of the week. Daytime temperatures ranged from the low-40s to the mid-70s (degrees Fahrenheit). Wind less than 5 mph occurred on occasion throughout the week.

Description of Activities:

Construction work this reporting period included:

- South Central Sedimentation Basin
 - o Commence construction of seep interceptor underdrain located west of sedimentation basin (Photographs 1a and 1b).
- East Sedimentation Basin
 - Place and re-compact material excavated for field density testing test pits from east embankment.
- Saddle Infiltration Basin
 - o Grub and stockpile slash and tree stumps.
 - o Strip and stockpile topsoil (Photograph 2a and 2b).
- Dinwoody Borrow Area
 - o General haul road grading maintenance as needed.
 - Clear and grub remaining North Sedimentation Basin area on limited basis.
 - Continue to strip topsoil to stockpile North Sedimentation Basin area on limited basis. Material in this area is still quite wet due to patches of remaining snow.
 - Continue excavating and hauling Dinwoody borrow material to ODA east and west R1 (Photograph 3).
- ODA Cover Construction.
 - Continue chert placement by pushing downslope from R2 onto lower portions of ES-R2-N, ES-R2-M and ES-R2-S on a limited basis as chert stockpile is nearing depletion (Photograph 2a and 2b).
 - o Haul chert from east side R2-S stockpile to R2-M for placement.
 - Consolidate large boulders removed from chert in preparation for mine to drill and blast for eventual use as riprap.
 - o Continue Dinwoody haul to stockpiles ES-R1-S on limited basis.

- o Continue Dinwoody placement onto WS-R1-W, WS-R1-M, WS-R2M and WS-R2-W (Photograph 4).
- o Continue Dinwoody haul to stockpile to WS-R1 and WS-R1-W.

Sample Collection and Construction Quality Control (CQC)/Construction Quality Assurance (CQA) Testing Performed:

- Results of CQA field density tests performed on material placed for the East Sedimentation Basin downstream embankment indicated that a minimum of 95% of the maximum density, as determined by ASTM D 698, was achieved and that fill placement was acceptable. A total of four nuclear densometer tests were completed.
- CQC surveying of chert and Dinwoody cover surfaces continued as necessary.
- CQC cover thickness verification continued by excavating small test pits on east and west side ODA as needed.

Agency Oversight:

USFS not present during this reporting period. Next site inspection by USFS is scheduled for Monday, July 27.

Upcoming Activities:

- Continue with the construction of the North and South Dinwoody Borrow Area Run-on Control Channels as weather and conditions permit.
- Complete construction of the underdrain system for the South Central Sedimentation seeps (ECO#2), finish clear and grub in South Central Sedimentation Area and commence topsoil removal and rough grading for sedimentation basin.
- Finish excavation and embankment fill placement for Saddle Infiltration Basin.
- Continue with the placement of first (lower 1 foot) lift of Dinwoody cover material on upper west and south sides of west ODA (WS-R1-W, WS-R1-M and WS-R2-M).
- Complete placement of chert on the lower portions of ES-R2-N, ES-R2-M and ES-R2-S.
- Placement of second (middle 1 foot lift) of Dinwoody cover material on upper east side ODA including ES-R1-N, ES-R1-M and ES-R1-S.
- Initiate construction of Southeast Runoff Ditch/Chute from bottom up.

Potential Project Issues:

No potential project issues have been identified during this reporting period.

Follow-Up/Resolution of Previous Potential Issues:



Photograph 1a: Looking north along groundwater seep interceptor underdrain just west of South Central Sedimentation Basin. Trench is sloping 1.5% to the south.



Photograph 1b: Looking soouth along groundwater seep interceptor underdrain just west of South Central Sedimentation Basin. Trench is sloping 1.5% to the south.



Photograph 2a: Looking southeast towards Saddle Infiltration Basin. Topsoil is being removed from the infiltration basin footprint and dozers are spreading chert onto ES-R2-S.



Photograph 2b: Close-up of Photograph 3a looking southeast towards Saddle Infiltration Basin. Topsoil is being removed from the infiltration basin footprint and dozers are spreading chert onto ES-R2-S.



Photograph 3: Looking southwest at Dinwoody borrow area development.



Photograph 4: Looking south at WS-R2-W and the advancement of the initial 1 foot of Dinwoody cover material placement.

Figures

East Slope Panel Reference Layout

West Slope Panel Reference Layout





Smoky Canyon Mine Non-Time-Critical Removal Action (NTCRA) – 2015 Activities Pole Canyon Overburden Disposal Area

Weekly Construction Report

Report No. 17 Period of Activity: 07/13/2015 – 07/17/2015

Prepared by: Formation Environmental (on behalf of the J.R. Simplot Company)

Project Owner:

J.R. Simplot Company (Simplot)

Contractor(s) and Equipment:

Contractor, Kilroy LLC (Kilroy), worked 10 hrs per day Monday thru Thursday and 8 hrs on Friday. Kilroy is currently utilizing the following fleet of equipment:

Equipment Type	Quantity
CAT DK-5 Dozer	1
CAT D-6 Dozer	3
CAT D-8 Dozer	3
CAT D-10 Dozer	1
CAT 320 Excavator	1
John Deere 250 Excavator	1
John Deere 350 Excavator	1
John Deere 870 Excavator	1
Komatsu 400 Articulating Haul Truck	4
CAT 740B Articulating Haul Truck	7
CAT 160H Motor Grader	1
Lube Truck	1
CAT 966G Loader	1
CAT CP433E Pad-foot Roller Compactor	1
CAT 740K Water Truck (8,000 gal)	1

Personnel:

The following personnel were at the site during this time period:

- Simplot:
 - o Grant Williams, Dave Janiak
- USFS:
 - Not present
- Kilrov:
 - Kit Long, Kevin Kilroy, Jeff Zelazoski plus 30 other personnel that include grade check, mechanics, equipment operators and laborers. Jorgensen Associates, P.C. (David Kemper, PLS) providing survey control.
- Xcell Engineering, LC
 - o Not present

- Formation Environmental, Inc.
 - o Jon Friedman
- Strata
 - Not present

Materials / Equipment Received:

Weather Conditions:

Conditions during this reporting period varied from clear to cloudy with occasional light to moderate rain Monday, Wednesday, Thursday and Friday. Daytime temperatures ranged from the low-40s to the mid-70s (degrees Fahrenheit). Wind less than 5 mph occurred on occasion throughout the week.

Description of Activities:

Construction work this reporting period included:

- South Central Sedimentation Basin
 - Continue construction of seep interceptor underdrain located west of sedimentation basin (Photograph 1a and 1b).
- East Sedimentation Basin
 - No activity
- Saddle Infiltration Basin
 - o Commence excavation of basin down into Wells Formation (Photograph 2a and 2b).
 - o Commence compacted fill placement for perimeter embankments.
- Dinwoody Borrow Area
 - o General haul road grading maintenance as needed.
 - o Complete clear and grub North Sedimentation Basin area.
 - Continue to strip topsoil and haul to stockpile North Sedimentation Basin area.
 - Continue excavating and hauling Dinwoody borrow material to ODA west R1 (Photograph 3).
- ODA Cover Construction.
 - o Continue chert placement by hauling from Windy Gap to lower portions of ES-R2-N, ES-R2-M and ES-R2-S.
 - Remove large boulders from west side ODA and haul to riprap stockpile near equipment staging area south of existing blasting complex.
 - Continue Dinwoody placement onto WS-R1-W, WS-R1-M, WS-R2M and WS-R2-W. Haul trucks compacting as material is spread (Photograph 4a and 4b).
 - o Continue Dinwoody haul to stockpile to WS-R1 and WS-R1-W.

Sample Collection and Construction Quality Control (CQC)/Construction Quality Assurance (CQA) Testing Performed:

- CQC surveying with GPS unit to verify chert and Dinwoody cover thicknesses continued as necessary (Photograph 5).
- CQC cover thickness verification continued by excavating small test pits on east and west side ODA as needed.

Agency Oversight:

USFS not present during this reporting period. Next site inspection by USFS is scheduled for Monday, July 27.

Upcoming Activities:

- Continue with the construction of the North and South Dinwoody Borrow Area Run-on Control Channels as weather and conditions permit.
- Complete construction of the underdrain system for the South Central Sedimentation seeps (ECO#2), finish clear and grub in South Central Sedimentation Area and commence topsoil removal and rough grading for sedimentation basin.
- Finish excavation and embankment fill placement for Saddle Infiltration Basin.
- Continue with the placement and compaction of first (lower 1 foot) lift of Dinwoody cover material on upper west and south sides of west ODA (WS-R1-W, WS-R1-M and WS-R2-M).
- Resume hauling of chert from Windy Gap in order to complete chert placement on the lower portions of ES-R2-N, ES-R2-M and ES-R2-S.
- Placement of second (middle 1 foot lift) of Dinwoody cover material on uppereast side ODA including ES-R1-N, ES-R1-M and ES-R1-S.
- Initiate construction of Southeast Runoff Ditch/Chute from bottom up.

Potential Project Issues:

No potential project issues have been identified during this reporting period.

Follow-Up/Resolution of Previous Potential Issues:

Nothing to report.

Photographs



Photograph 1a: Looking north along seep collection underdrain immediately west of South Central Sedimentation Basin. Underdrain is excavated 2 feet deep, 3 feet wide, lined with 12 oz/sy non-woven geofabric and filled with 2 inch minus gravel containing less than 1% fines.



Photograph 1b: Looking south along seep collection underdrain immediately west of South Central Sedimentation Basin.



Photograph 2a: Looking southeast at the Saddle Infiltration Basin area. Equipment is in the process of removing topsoil.



Photograph 2b: Looking east at the Saddle Infiltration Basin area with layout stakes and initial excavation. Compactor is in the middle of the basin.



Photograph 3: Looking west-southwest towards Dinwoody Borrow area and the extent of development.



Photograph 4a: Looking south towards south face of the west side of the ODA. Equipment is placing Dinwoody material on WS-R2-M and WS-R2-W.



Photograph 4b: Looking east-southeast towards WS-R2-M and WS-R2-W as Dinwoody material is being placed on top of underlying chert.



Photograph 5: Looking downslope east face of east side of ODA. Survey grade check verifying chert layer thickness ES-R2-S with GPS unit.

Figures

East Slope Panel Reference Layout

West Slope Panel Reference Layout





Smoky Canyon Mine Non-Time-Critical Removal Action (NTCRA) – 2015 Activities Pole Canyon Overburden Disposal Area

Weekly Construction Report

Report No. 18 Period of Activity: 07/20/2015 – 07/24/2015

Prepared by: Formation Environmental (on behalf of the J.R. Simplot Company)

Project Owner:

J.R. Simplot Company (Simplot)

Contractor(s) and Equipment:

Contractor, Kilroy LLC (Kilroy), worked 10 hrs per day Monday thru Thursday and 8 hrs on Friday. Kilroy is currently utilizing the following fleet of equipment:

Equipment Type	Quantity
CAT DK-5 Dozer	1
CAT D-6 Dozer	3
CAT D-8 Dozer	3
CAT D-10 Dozer	1
CAT 320 Excavator	1
John Deere 250 Excavator	1
John Deere 350 Excavator	1
John Deere 870 Excavator	1
Komatsu 400 Articulating Haul Truck	4
CAT 740B Articulating Haul Truck	7
CAT 160H Motor Grader	1
Lube Truck	1
CAT 966G Loader	1
CAT CP433E Pad-foot Roller Compactor	1
CAT 740K Water Truck (8,000 gal)	1

Personnel:

The following personnel were at the site during this time period:

- Simplot:
 - o Grant Williams, Dave Janiak
- USFS:
 - Not present
- Kilrov:
 - Kit Long, Kevin Kilroy, Jeff Zelazoski plus 30 other personnel that include grade check, mechanics, equipment operators and laborers. Jorgensen Associates, P.C. (David Kemper, PLS) providing survey control.
- Xcell Engineering, LC
 - Not present

- Formation Environmental, Inc.
 - o Jon Friedman
- Strata
 - Not present

Materials / Equipment Received:

Weather Conditions:

Conditions during this reporting period varied from clear to partly cloudy with short duration rain Thursday and Friday afternoon. Daytime temperatures ranged from the low-40s to the mid-70s (degrees Fahrenheit). Wind less than 5 mph occurred on occasion throughout the week.

Description of Activities:

Construction work this reporting period included:

- South Central Sedimentation Basin
 - Completed construction of seep interceptor underdrain located west of sedimentation basin in conformance with ECO #2.
 - o Initiated and completed clearing and topsoil removal.
 - o Initiated excavation of basins (Photograph 1).
- East Sedimentation Basin
 - No activity
- Saddle Infiltration Basin
 - Continue with excavation for basin down into Wells Formation (Photograph 2).
 - Continue with the over-excavation of unsuitable foundation material within northern embankment footprint.
- Dinwoody Borrow Area
 - o General haul road grading maintenance as needed.
 - o Complete clear and grub North Sedimentation Basin area (Photograph 3).
 - Continue to haul topsoil from North Sedimentation Basin area to stockpile.
 - o Continue excavating and hauling Dinwoody borrow material to ODA.
- ODA Cover Construction.
 - Tie-in chert around rock buttress at the toe of the east side of the ODA (Photograph 4).
 - Commence placement of upper lift of Dinwoody ES-R1-N and ES-R1-M (Photograph 5).
 - Commence placement of lower 1 foot of Dinwoody ES-R2-M and ES-R2-S (Photograph 6).
 - Remove large boulders from west side ODA cover and haul to riprap stockpile near equipment staging area south of existing blasting complex as necessary.

o Continue Dinwoody placement onto WS-R1-W, WS-R1-M, WS-R2M and WS-R2-W (Photograph 7a and 7b).

Sample Collection and Construction Quality Control (CQC)/Construction Quality Assurance (CQA) Testing Performed:

- CQC surveying with GPS unit to verify chert and Dinwoody cover thicknesses continued as necessary.
- CQC cover thickness verification continued by excavating small test pits on east and west side ODA as needed.

Agency Oversight:

USFS not present during this reporting period. Next site inspection by USFS is scheduled for Monday, July 27.

Upcoming Activities:

- Complete construction of the South Central Sedimentation Basin.
- Continue with the construction of the North and South Dinwoody Borrow Area Run-on Control Channels.
- Finish excavation and embankment fill placement for Saddle Infiltration Basin.
- Complete the placement and compaction of first (lower 1 foot) lift of Dinwoody cover material on upper west and south sides of west ODA (WS-R1-W, WS-R1-M and WS-R2-M).
- Resume hauling of chert from Windy Gap in order to complete chert placement on the lower portions of ES-R2-N, ES-R2-M and ES-R2-S. Approximately 6,000 cy is estimated to be needed to complete the remainder of the chert requirement.
- Continue placement of second lift of Dinwoody cover material on upper-east side ODA including ES-R1-N, ES-R1-M and ES-R1-S.
- Initiate construction of Southeast Runoff Ditch/Chute from bottom up.

Potential Project Issues:

No potential project issues have been identified during this reporting period.

Follow-Up/Resolution of Previous Potential Issues:

Nothing to report.

Contractor Submittals:

Kilroy submitted structural shop drawings for pre-cast concrete cut-off walls. Formation has reviewed and has requested clarification for several items and modification to the details provided.

Photographs



Photograph 1: Looking northeast at the South Central Sedimentation Basin area. Survey layout stakes in place as excavators begin removing material from the basins.



Photograph 2: Looking east-northeast towards the Saddle Infiltration Basin excavation. Person on opposite side is at the approximate elevation of the east side embankment crest.



Photograph 3: Looking north towards Dinwoody borrow North Sedimentation Basin area and the slash and topsoil stockpiles ready for removal.



Photograph 4: Looking west at chert material being tied into rock buttress at toe of the east side ODA.



Photograph 5: Looking northwest as 2nd lift of Dinwoody material is being pushed downslope from ES-R1 onto ES-R1-N.



Photograph 6: Looking west as 1st lift of Dinwoody material is being pushed downslope onto ES-R2-S. Material is being very well compacted by the loaded rubber tired haul trucks.



Photograph 7a: Looking northeast as 1st lift of Dinwoody material is being pushed downslope onto WS-R1-W (west side ODA).



Photograph 7b: Looking south as 2nd lift of Dinwoody material is being pushed downslope on WS-R2-W (west side ODA).

Figures

East Slope Panel Reference Layout

West Slope Panel Reference Layout





Smoky Canyon Mine Non-Time-Critical Removal Action (NTCRA) – 2015 Activities Pole Canyon Overburden Disposal Area

Weekly Construction Report

Report No. 19

Period of Activity: 07/27/2015 – 07/31/2015

Prepared by: Formation Environmental (on behalf of the J.R. Simplot Company)

Project Owner:

J.R. Simplot Company (Simplot)

Contractor(s) and Equipment:

Contractor, Kilroy LLC (Kilroy), worked 10 hrs per day Monday thru Thursday and 8 hrs on Friday. Kilroy is currently utilizing the following fleet of equipment:

Equipment Type	Quantity
CAT DK-5 Dozer	1
CAT D-6 Dozer	3
CAT D-8 Dozer	3
CAT D-10 Dozer	1
CAT 320 Excavator	1
John Deere 250 Excavator	1
John Deere 350 Excavator	1
John Deere 870 Excavator	1
Komatsu 400 Articulating Haul Truck	4
CAT 740B Articulating Haul Truck	7
CAT 160H Motor Grader	1
Lube Truck	1
CAT 966G Loader	1
CAT CP433E Pad-foot Roller Compactor	1
CAT 740K Water Truck (8,000 gal)	1

Personnel:

The following personnel were at the site during this time period:

- Simplot:
 - o Grant Williams, Dave Janiak
- USFS:
 - o Mary Kuaffman & Jeremy Moore (new Fish & Wildlife Service-CERCLA representative).
- Kilroy:
 - Kit Long, Kevin Kilroy, Jeff Zelazoski plus 30 other personnel that include grade check, mechanics, equipment operators and laborers. Jorgensen Associates, P.C. (David Kemper, PLS) providing survey control.

- Xcell Engineering, LC
 - Not present
- Formation Environmental, Inc.
 - o Jon Friedman
- Strata
 - Not present

Materials / Equipment Received:

Weather Conditions:

Conditions during this reporting period varied from clear to partly cloudy with moderate duration rain Monday afternoon. Daytime temperatures ranged from the low-30s to the mid-70s (degrees Fahrenheit). Wind up to 20 mph occurred on Monday prior to the rain and occasional gusts between 5 and 10 mph occurred throughout the remainder of the week.

Description of Activities:

Construction work this reporting period included:

- South Central Sedimentation Basin
 - o Completed excavation of basins (Photograph 1a and 1b).
- South-Central Runoff Ditch to Saddle Infiltration Basin
 - Initiated excavation from South-Central Sedimentation Basin Out fall.
 Hard bedrock encountered at base of out fall had to be ripped with D8 dozer for approximately 30 feet.
- East Sedimentation Basin
 - o No activity
- Saddle Infiltration Basin
 - o Continue with the over-excavation of unsuitable foundation material within northern embankment footprint.
 - Additional progress delayed as details of southern embankment footprint extending beyond USFS special use permit boundary were provided to USFS for review.
- Dinwoody Borrow Area
 - o General haul road grading maintenance as needed.
 - o Initiate excavation and embankment fill for North Sedimentation Basin area (Photograph 2).
 - o Continue excavating and hauling Dinwoody borrow material to ODA.
- ODA Cover Construction.
 - o Continue chert placement by hauling from Windy Gap to lower portions of ES-R2-N, ES-R2-M and ES-R2-S.
 - o Continue placement of upper lift of Dinwoody ES-R1-N and ES-R1-M.
 - o Continue placement of lower 1 foot of Dinwoody ES-R2-M and ES-R2-S.
 - o Continue Dinwoody placement onto WS-R1-W, WS-R1-M, WS-R2M and WS-R2-W (Photograph 3).

As of 31 July 2015, on the east side of the ODA, approximately 95% of the chert, 60% of the 1st lift of Dinwoody and 30% of the 2nd lift of Dinwoody has been placed; on the west side of the ODA, approximately 99% of the chert, 90% of the 1st lift of Dinwoody and 60-70% of the 2nd lift of Dinwoody has been placed.

Sample Collection and Construction Quality Control (CQC)/Construction Quality Assurance (CQA) Testing Performed:

- CQC surveying with GPS unit to verify chert and Dinwoody cover thicknesses continued as necessary.
- CQC cover thickness verification continued by excavating small test pits on east and west side ODA as needed.

Agency Oversight:

USFS was on-site Monday, July 27 for monthly inspection along with new Fish & Wildlife Service-CERCLA representative.

Upcoming Activities:

- Complete construction of the South Central Sedimentation Basin.
- Continue with the construction of the North and South Dinwoody Borrow Area Run-on Control Channels as conditions permit.
- Finish excavation and embankment fill placement for Saddle Infiltration Basin.
- Complete the placement and compaction of first (lower 1 foot) lift of Dinwoody cover material on upper west and south sides of west ODA (WS-R1-W, WS-R1-M and WS-R2-M).
- Resume hauling of chert from Windy Gap in order to complete chert placement on the lower portions of ES-R2-N, ES-R2-M and ES-R2-S.
- Continue placement of second lift of Dinwoody cover material on upper-east side ODA including ES-R1-N, ES-R1-M and ES-R1-S.
- Initiate construction of Southeast Runoff Ditch/Chute from bottom up.
- Continue with the excavation of South Central Runoff Ditch.
- Complete construction of the Dinwoody borrow North Sedimentation Basin.

Potential Project Issues:

No potential project issues have been identified during this reporting period.

Follow-Up/Resolution of Previous Potential Issues:

Nothing to report.

Contractor Submittals:

Kilroy submitted structural shop drawings for pre-cast concrete cut-off walls. Following last week's request for clarifications from fabricator, Formation provided additional details and clarifications regarding dimensions for specific cutoff walls.





Photograph 1a: Looking east (downstream) at South Central Sedimentation excavation.



Photograph 1b: Looking southwest (upstream) at South Central Sedimentation basin excavation.





Photograph 3: Looking north as articulating haul trucks dump as dozer is places 2nd lift of Dinwoody on WS-R1-W.

Figures

East Slope Panel Reference Layout

West Slope Panel Reference Layout





Smoky Canyon Mine Non-Time-Critical Removal Action (NTCRA) – 2015 Activities Pole Canyon Overburden Disposal Area

Weekly Construction Report

Report No. 20

Period of Activity: 08/03/2015 – 08/07/2015

Prepared by: Formation Environmental (on behalf of the J.R. Simplot Company)

Project Owner:

J.R. Simplot Company (Simplot)

Contractor(s) and Equipment:

Contractor, Kilroy LLC (Kilroy), worked 10 hrs per day Monday thru Thursday and 8 hrs on Friday. Kilroy is currently utilizing the following fleet of equipment:

Equipment Type	Quantity
CAT DK-5 Dozer	1
CAT D-6 Dozer	3
CAT D-8 Dozer	3
CAT D-10 Dozer	1
CAT 320 Excavator	1
John Deere 250 Excavator	1
John Deere 350 Excavator	1
John Deere 870 Excavator	1
Komatsu 400 Articulating Haul Truck	4
CAT 740B Articulating Haul Truck	7
CAT 160H Motor Grader	1
Lube Truck	1
CAT 966G Loader	1
CAT CP433E Pad-foot Roller Compactor	1
CAT 740K Water Truck (8,000 gal)	1

Personnel:

The following personnel were at the site during this time period:

- Simplot:
 - o Grant Williams, Dave Janiak
- USFS:
 - o Not present during the reporting period.
- Kilrov:
 - Kit Long, Kevin Kilroy, Jeff Zelazoski plus 30 other personnel that include grade check, mechanics, equipment operators and laborers. Jorgensen Associates, P.C. (David Kemper, PLS) providing survey control.

- Xcell Engineering, LC
 - On-site to test embankment fill compaction placed for Dinwoody borrow North Sedimentation Basin.
- Formation Environmental, Inc.
 - o Jon Friedman
- Strata
 - Not present during the reporting period.

Materials / Equipment Received:

• Two, fully loaded semi-trailers of straw waddles were received Wednesday in preparation to be installed on final cover and cut slopes as needed.

Weather Conditions:

Conditions during this reporting period varied from clear to partly cloudy with moderate to heavy rain Monday afternoon continuing into early Tuesday morning. Daytime temperatures ranged from the upper-30s to the mid-70s (degrees Fahrenheit). Wind with occasional gusts between 5 and 10 mph occurred throughout the week.

Description of Activities:

Construction work this reporting period included:

- South Central Sedimentation Basin
 - No activity.
- South-Central Runoff Ditch to Saddle Infiltration Basin
 - o No activity.
- East Sedimentation Basin
 - o No activity.
- Saddle Infiltration Basin
 - USFS provided a notice to proceed with approved design regarding the special use permit boundary encroachment on the south side of basin.
 - o Resume clear and grub under south embankment footprint.
 - Resume over-excavation of unsuitable foundation material within northern embankment footprint.
- Dinwoody Borrow Area
 - o General haul road grading maintenance as needed.
 - o Complete excavation and embankment fill for North Sedimentation Basin area to final grade (Photograph 1a and 1b).
 - o Continue excavating and hauling Dinwoody borrow material to ODA.
- ODA Cover Construction.
 - o Continue chert placement by hauling from stockpile on ES-R1-S to lower portions of ES-R2-N, ES-R2-M and ES-R2-S (Photograph 2).
 - o Continue placement of upper lift of Dinwoody ES-R1-N and -M.
 - o Continue placement of lower 1 foot of Dinwoody ES-R2-N, M and S.
 - Continue Dinwoody placement of upper 2 foot lift onto WS-R1-W, WS-R1-M, WS-R2-W and WS-R2-M (Photograph 3).

Sample Collection and Construction Quality Control (CQC)/Construction Quality Assurance (CQA) Testing Performed:

- CQC surveying with GPS unit to verify chert and Dinwoody cover thicknesses continued as necessary.
- CQC cover thickness verification continued by excavating small test pits on east and west side ODA as needed (Photograph 2).
- CQC density testing of embankment fill material placed for the Dinwoody borrow North Sedimentation basin was performed by Xcell. A total of five tests were performed all of which indicated greater than 95% of the maximum dry density as determined by ASTM D698.

Agency Oversight:

Upcoming Activities:

- Complete construction of the South Central Sedimentation Basin.
- Continue with the construction of the North and South Dinwoody Borrow Area Run-on Control Channels.
- Finish excavation and embankment fill placement for Saddle Infiltration Basin.
- Resume hauling of chert from Windy Gap in order to complete chert placement on the lower portions of ES-R2-N, ES-R2-M, ES-R2-S, WS-R2 and WS-R2-BC.
- Continue placement of second lift of Dinwoody cover material on upper-east side ODA including ES-R1-M and ES-R1-S which is nearly complete.
- Initiate construction of Southeast Runoff Ditch/Chute from bottom up.
- Continue with the excavation of South Central Runoff Ditch.
- Complete construction of the Dinwoody borrow North Sedimentation Basin with overflow structure.
- Initiate the excavation for the 42-inch diameter CMP culvert and intake structure that diverts Panel A runoff underneath the mine haul road to the west side ODA.

Potential Project Issues:

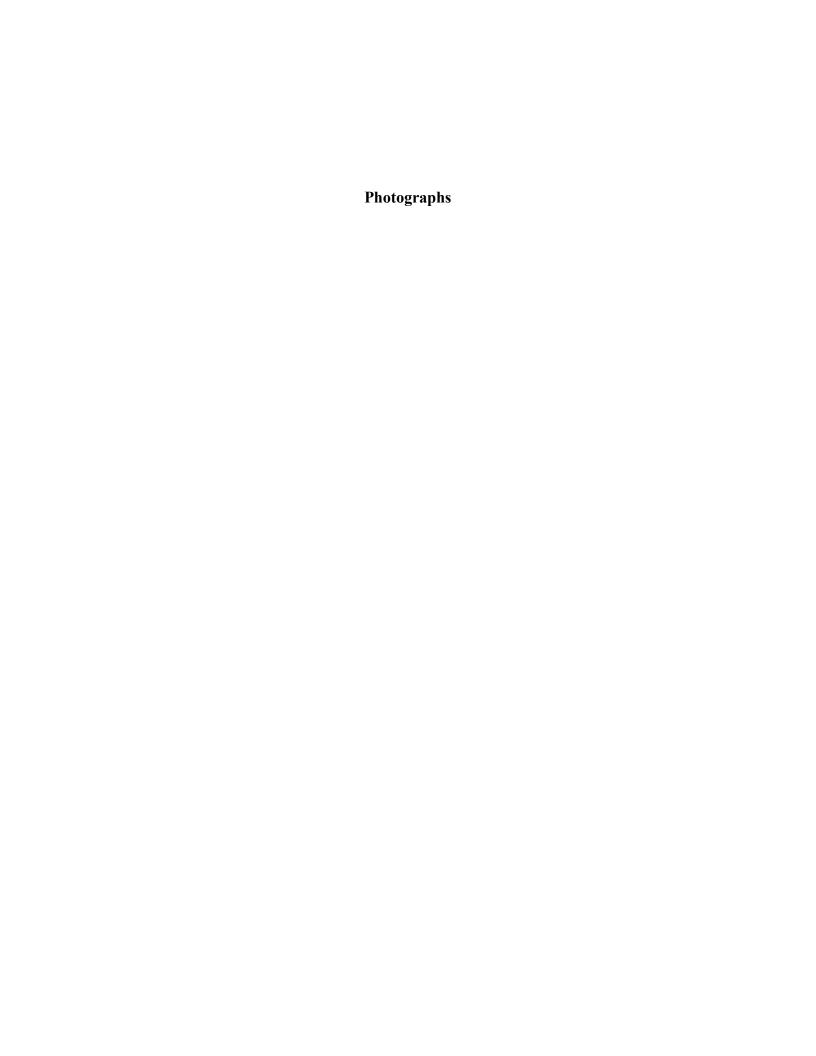
No potential project issues have been identified during this reporting period.

Follow-Up/Resolution of Previous Potential Issues:

Nothing to report.

Contractor Submittals:

Formation approved structural shop drawings for five pre-cast concrete cut-off walls along with approving headwall structures for culverts to be placed under mine haul road.





Photograph 1a: Looking north east at Dinwoody borrow North Sedimentation Basin rough grade.



Photograph 1b: Looking north at the Dinwoody borrow North Sedimentation Basin rough grade.



Photograph 2: Looking east along South Central Sedimentation Basin excavation. Dozer in background is spreading chert material on lower portion of rind R2 and excavator is digging small test pits to confirm adequate chert thickness.



Photograph 3: Looking north towards northern portion of the west side of the ODA. Dozers are spreading upper lift of Dinwoody onto WS-R1-W while articulating haul trucks are dumping Dinwoody material onto the middle portion of WS-R1-W. Haul truck in mid-ground is wheel rolling lower Dinwoody lift on WS-R2-W.

Figures

East Slope Panel Reference Layout

West Slope Panel Reference Layout





Smoky Canyon Mine Non-Time-Critical Removal Action (NTCRA) – 2015 Activities Pole Canyon Overburden Disposal Area

Weekly Construction Report

Report No. 21 Period of Activity: 08/10/2015 – 08/14/2015

Prepared by: Formation Environmental (on behalf of the J.R. Simplot Company)

Project Owner:

J.R. Simplot Company (Simplot)

Contractor(s) and Equipment:

Contractor, Kilroy LLC (Kilroy), worked 10 hrs per day Monday thru Thursday and 8 hrs on Friday. Kilroy is currently utilizing the following fleet of equipment:

Equipment Type	Quantity
CAT DK-5 Dozer	1
CAT D-6 Dozer	3
CAT D-8 Dozer	3
CAT D-10 Dozer	1
CAT 320 Excavator	1
John Deere 250 Excavator	1
John Deere 350 Excavator	1
John Deere 870 Excavator	1
Komatsu 400 Articulating Haul Truck	4
CAT 740B Articulating Haul Truck	6
CAT 160H Motor Grader	1
Lube Truck	1
CAT 966G Loader	1
CAT CP433E Pad-foot Roller Compactor	1
CAT 740K Water Truck (8,000 gal)	1

Personnel:

The following personnel were at the site during this time period:

- Simplot:
 - o Grant Williams, Dave Janiak
- USFS:
 - o Not present during the reporting period.
- Kilroy:
 - Kit Long, Kevin Kilroy, Jeff Zelazoski plus 30 other personnel that include grade check, mechanics, equipment operators and laborers. Jorgensen Associates, P.C. (David Kemper, PLS) providing survey control.
- Xcell Engineering, LC
 - Not present during the reporting period.

- Formation Environmental, Inc.
 - o Jon Friedman
- Strata
 - Not present during the reporting period.

Materials / Equipment Received:

• No materials or equipment received.

Weather Conditions:

Conditions during this reporting period varied from clear to partly cloudy. Daytime temperatures ranged from the low-40s to the upper-70s (degrees Fahrenheit). Wind with occasional gusts between 5 and 10 mph occurred throughout the week.

Description of Activities:

Construction work this reporting period included:

- South Central Sedimentation Basin
 - No activity.
- South-Central Runoff Ditch to Saddle Infiltration Basin
 - Continue with excavation, chert placement and rough grading from top South Central Sed. Basin down (Photograph 1).
- East Sedimentation Basin
 - No activity.
- Saddle Infiltration Basin
 - o Complete clear and grub under south embankment footprint.
 - o Complete over-excavation of unsuitable foundation material within northern embankment footprint.
 - Excavate investigative trench in basin floor looking for Wells Formation material. Very little fresh Wells Formation encountered but that will not alter functionality of the basin.
- Dinwoody Borrow Area
 - o General haul road grading maintenance as needed.
 - o Continue excavating and hauling Dinwoody borrow material to ODA.
- ODA Cover Construction.
 - o Continue chert placement by hauling from stockpile on ES-R1-S to lower portions of ES-R2-N, ES-R2-M and ES-R2-S.
 - Continue placement of upper lift of Dinwoody ES-R1-M and –S (Photograph 2).
 - o Continue placement of lower 1 foot of Dinwoody ES-R2-N, M and S.
 - o Continue Dinwoody placement of upper 2 foot lift onto isolated areas on WS-R1-W, WS-R1-M, WS-R2-W and WS-R2-M.
- 42-inch CMP Culvert Under Haul Road
 - o Initiate excavation of hill slope above culvert intake structure drainage ditch on northeast side of mine haul road (Photograph 3a and 3b).
 - Haul hill slope excavation spoil (weathered limestone) to west side ODA blast complex and West-Side South Sedimentation Basin (Photograph 4).

Sample Collection and Construction Quality Control (CQC)/Construction Quality Assurance (CQA) Testing Performed:

- CQC surveying with GPS unit to verify chert and Dinwoody cover thicknesses continued as necessary.
- CQC cover thickness verification continued by excavating small test pits on east and west side ODA as needed.

Agency Oversight:

Not present during this reporting period.

Upcoming Activities:

- Complete construction of the South Central Sedimentation Basin.
- Finish excavation and embankment fill placement for Saddle Infiltration Basin.
- Resume hauling of chert from Windy Gap or other sources in order to complete chert placement on the lower portions of ES-R2-N, ES-R2-M, ES-R2-S, WS-R2 and WS-R2-BC.
- Continue placement of second lift of Dinwoody cover material on upper-east side ODA including ES-R1-S as well as perimeter areas of ES-R2- N, M and S.
- Initiate construction of Southeast Runoff Ditch/Chute.
- Continue with the excavation of South Central Runoff Ditch.
- Complete construction of the Dinwoody borrow North Sedimentation Basin with overflow spillway and outfall.
- Complete construction of the Dinwoody borrow South Sedimentation Basin with overflow spillway per ECO #1.
- Continue the excavation for the 42-inch diameter CMP culvert and intake structure that diverts Panel A runoff underneath the mine haul road to the west side ODA.
- Initiate the construction of the Upper West Side Runoff Ditch to Energy Dissipation Structure.
- Continue with the construction of the North and South Dinwoody Borrow Area Run-on Control Channels

Potential Project Issues:

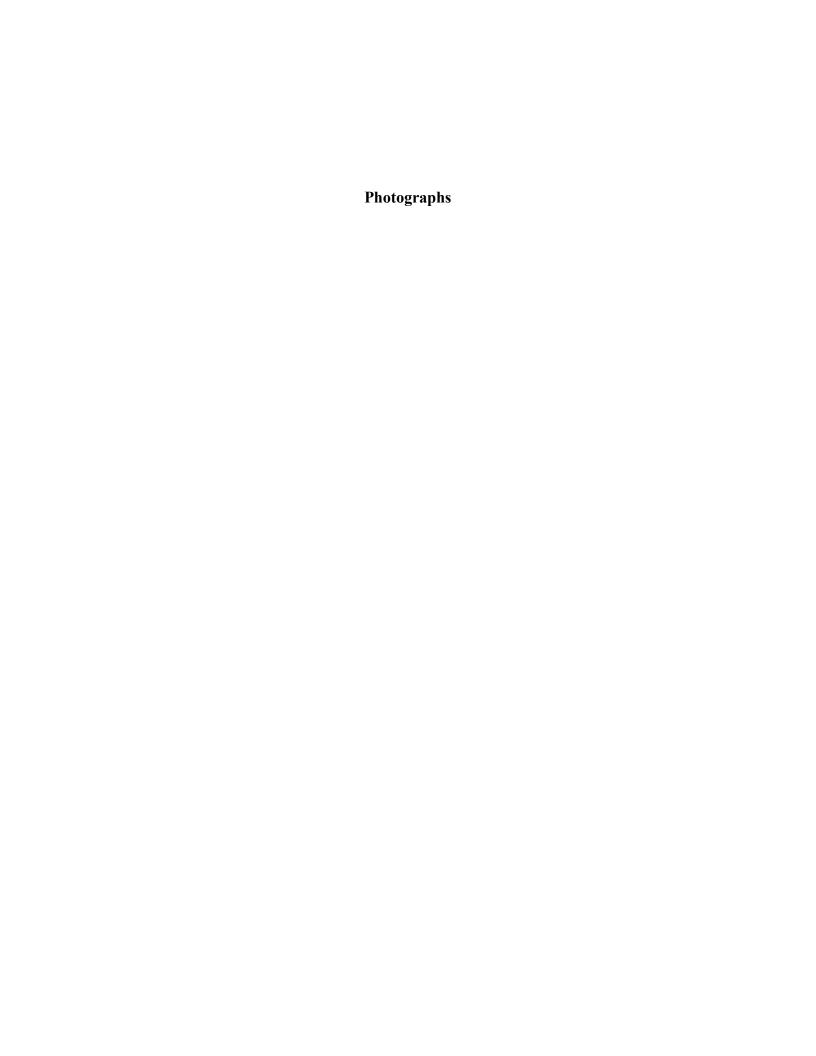
Due to existing topography not matching design topographic base, additional survey control will be required in order to account for elevation and coordinate discrepancies.

Follow-Up/Resolution of Previous Potential Issues:

Nothing to report.

Contractor Submittals:

No submittals received during this reporting period.





Photograph 1: Looking east and downstream at excavation for the South Central Runoff Ditch beginning at the South Central Sedimentation Basin spillway. Excavator is located near to where basin spillway will discharge into ditch.



Photograph 2: Looking north towards ES-R1-M as dozers make final passes on upper Dinwoody cover surface.



Photograph 3a: Looking northwest towards excavation into hill slope to make space for Panel A Run Off Ditch and 42" Culvert Intake Structure.



Photograph 3b: Looking southeast towards excavation into hill slope for Panel A Ditch and 42" Culvert Intake Structure.



Photograph 4: Looking northeast towards West-side South Sedimentation Basin (foreground) and East-side ODA ES-R1-S and R2. Loader is spreading excavation spoil from hillside excavation for 42" culvert in the South Sedimentation Basin subgrade and dozers are spreading Dinwoody material for upper (final) lift of east-side ODA cover.

Figures

East Slope Panel Reference Layout

West Slope Panel Reference Layout





Smoky Canyon Mine Non-Time-Critical Removal Action (NTCRA) – 2015 Activities Pole Canyon Overburden Disposal Area

Weekly Construction Report

Report No. 22

Period of Activity: 08/17/2015 – 08/21/2015

Prepared by: Formation Environmental (on behalf of the J.R. Simplot Company)

Project Owner:

J.R. Simplot Company (Simplot)

Contractor(s) and Equipment:

Contractor, Kilroy LLC (Kilroy), worked 10 hrs per day Monday thru Thursday and 8 hrs on Friday. Kilroy is currently utilizing the following fleet of equipment:

Equipment Type	Quantity
CAT DK-5 Dozer	1
CAT D-6 Dozer	3
CAT D-8 Dozer	3
CAT D-10 Dozer	1
CAT 320 Excavator	1
John Deere 250 Excavator	1
John Deere 350 Excavator	1
John Deere 870 Excavator	1
Komatsu 400 Articulating Haul Truck	4
CAT 740B Articulating Haul Truck	6
CAT 160H Motor Grader	1
Lube Truck	1
CAT 966G Loader	1
CAT CP433E Pad-foot Roller Compactor	1
CAT 740K Water Truck (8,000 gal)	1

Personnel:

The following personnel were at the site during this time period:

- Simplot:
 - o Grant Williams, Dave Janiak
- USFS:
 - o Not present during the reporting period.
- Kilroy:
 - Kit Long, Kevin Kilroy, Jeff Zelazoski plus 30 other personnel that include grade check, mechanics, equipment operators and laborers. Jorgensen Associates, P.C. (David Kemper, PLS) providing survey control.
- Xcell Engineering, LC
 - Not present during the reporting period.

- Formation Environmental, Inc.
 - o Jon Friedman
- Strata
 - Not present during the reporting period.

Materials / Equipment Received:

• No materials or equipment received.

Weather Conditions:

Conditions during this reporting period varied from clear to partly cloudy. Daytime temperatures ranged from the low-40s to the upper-70s (degrees Fahrenheit). Wind with occasional gusts between 5 and 10 mph occurred throughout the week. Atmosphere was very hazy entire week due to regional forest fires.

Description of Activities:

Construction work this reporting period included:

- South Central Sedimentation Basin
 - Place 2 foot chert layer in basins and surrounding areas (Photograph 1a, 1b).
 - Place 2 foot compacted Dinwoody within basin floor and side slopes and 3 feet on upstream embankment crest consistent with ODA cover as indicated on drawing C13 (Photograph 2).
- South-Central Runoff Ditch to Saddle Infiltration Basin
 - Continue with excavation, chert placement and rough grading from top at South Central Sed. Basin outlet down towards East Energy Dissipation Structure.
- East Energy Dissipation Structure
 - Stake and rough grade.
 - Place and compact Dinwoody material for basin floor and side-slopes (Photograph 3).
- East Sedimentation Basin
 - o No activity.
- Saddle Infiltration Basin
 - No activity.
- Dinwoody Borrow Area
 - o General haul road grading maintenance as needed.
 - Continue excavating and hauling Dinwoody borrow material to east side ODA.
- ODA Cover Construction.
 - o Continue chert placement by hauling from stockpile on ES-R1-S to lower portions of ES-R2-N, ES-R2-M and ES-R2-S.
 - Continue placement of lower 1 foot of Dinwoody on lower portion of ES-R2-N and M (Photograph 4).
 - Chert and Dinwoody placement on west side ODA is complete with the exception of the former blast complex area. Cover placement in this area

cannot commence until the all of the blast compound components are relocated to the east side (Photograph 5).

- 42-inch CMP Culvert Under Haul Road
 - o Continue excavation of hill slope above culvert intake structure drainage ditch on northeast side of mine haul road (Photograph 6a and 6b).
 - Haul hill slope excavation spoil (weathered limestone) to west side ODA blast complex and West-Side South Sedimentation Basin subgrade.
 - Haul hill slope excavation spoil (center waste Panel A) to west side ODA, West-Side South Sedimentation Basin subgrade.
 - Stockpile boulders for riprap adjacent to excavation area on south side of road cut.

Sample Collection and Construction Quality Control (CQC)/Construction Quality Assurance (CQA) Testing Performed:

- CQC surveying with GPS unit to verify chert and Dinwoody cover thicknesses continued as necessary.
- CQC cover thickness verification continued by excavating small test pits on east and west side ODA as needed.

Agency Oversight:

Not present during this reporting period.

Upcoming Activities:

- Complete construction of the South Central Sedimentation Basin.
- Finish excavation and embankment fill placement for Saddle Infiltration Basin.
- Continue hauling of chert from Windy Gap or other sources, i.e. 42-inch culvert road cut, in order to complete chert placement on the lower portions of ES-R2-N, ES-R2-M, ES-R2-S.
- Continue placement of second lift of Dinwoody cover material on upper-east side ODA including ES-R1-S as well as perimeter areas of ES-R2- N, M and S.
- Initiate construction of Southeast Runoff Ditch/Chute.
- Continue with the excavation of South Central Runoff Ditch.
- Complete construction of the Dinwoody borrow North Sedimentation Basin with overflow spillway and outfall.
- Complete construction of the Dinwoody borrow South Sedimentation Basin with overflow spillway per ECO #1.
- Continue the excavation for the 42-inch diameter CMP culvert and intake structure that diverts Panel A runoff underneath the mine haul road to the west side ODA.
- Initiate the construction of the Upper West Side Runoff Ditch to Energy Dissipation Structure.

• Continue with the construction of the North and South Dinwoody Borrow Area Run-on Control Channels.

Potential Project Issues:

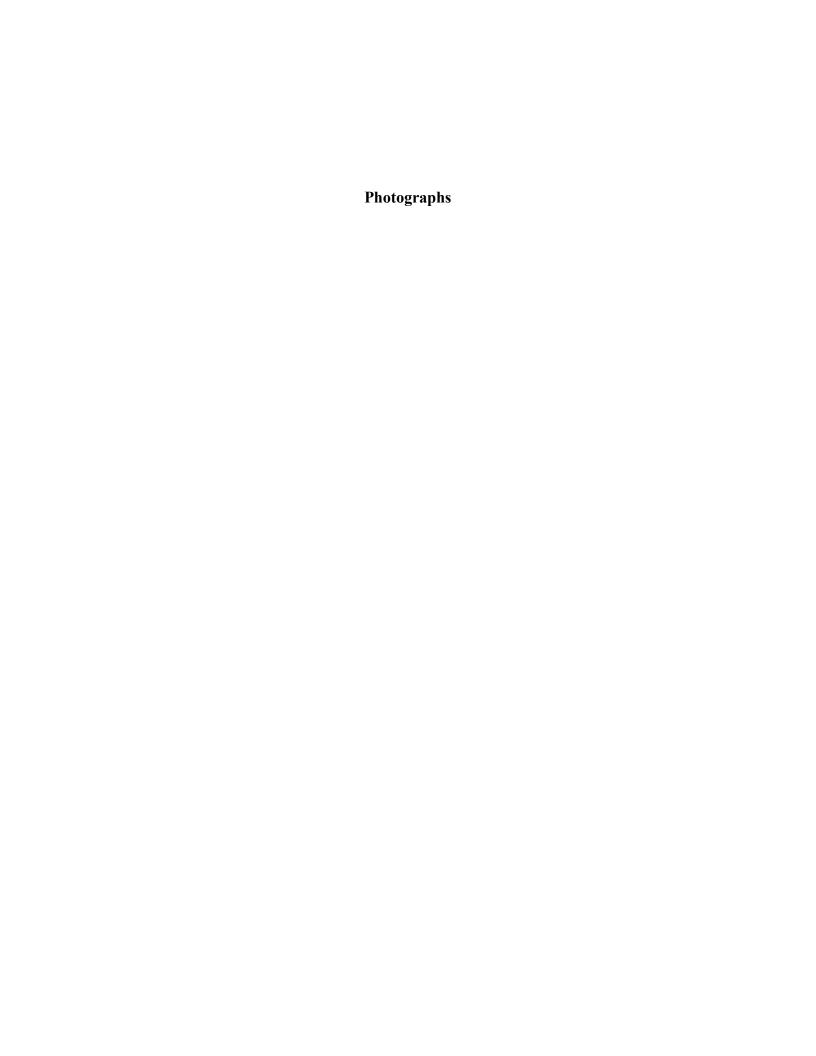
Due to existing topography not matching design topographic base, additional survey control will be required in order to account for elevation and coordinate discrepancies.

Follow-Up/Resolution of Previous Potential Issues:

Nothing to report.

Contractor Submittals:

Final pre-cast concrete submittal received, reviewed and approved 19 August.





Photograph 1a: Looking northeast towards East-Side South Central Sedimentation Basin as chert material is being dumped and spread by D-6 dozer.



Photograph 1b: Looking northeast along East-Side South Central Sedimentation Basin as D-6 dozer spreads chert over basin floor and side-slopes.



Photograph 2: Looking southwest and up gradient along East-Side South Central Sedimentation Basin. Sheep's-foot compactor and rubber tire loader are compacting Dinwoody material while D5 dozer spreads Dinwoody material in basin floor. D8 dozers in background are spreading chert material over area west of sedimentation basin



Photograph 3: Looking southeast towards East-Side Energy Dissipation Structure excavation as Dinwoody material is being moisture conditioned prior to placement and compaction.



Photograph 4: Looking north along lower slope of ES-R2-N and M as Dinwoody material is being dumped and placed by D6 dozer.



Photograph 5: Looking south towards new (foreground) and old blast complex. Substantial work remains to prepare new site and complete relocation of all the blast compound components



Photograph 6a: Looking northwest towards hillside excavation for Panel A runoff ditch and 42-inch culvert intake.



Photograph 6b: Looking southeast at hillside excavation for Panel A runoff ditch and 42-inch culvert intake structure.

Figures

East Slope Panel Reference Layout

West Slope Panel Reference Layout





Smoky Canyon Mine Non-Time-Critical Removal Action (NTCRA) – 2015 Activities Pole Canyon Overburden Disposal Area

Weekly Construction Report

Report No. 23

Period of Activity: 08/24/2015 – 08/28/2015

Prepared by: Formation Environmental (on behalf of the J.R. Simplot Company)

Project Owner:

J.R. Simplot Company (Simplot)

Contractor(s) and Equipment:

Contractor, Kilroy LLC (Kilroy), worked 10 hrs per day Monday thru Thursday and 8 hrs on Friday. Kilroy is currently utilizing the following fleet of equipment:

Equipment Type	Quantity
CAT DK-5 Dozer	1
CAT D-6 Dozer	3
CAT D-8 Dozer	3
CAT D-10 Dozer	1
CAT 320 Excavator	1
John Deere 250 Excavator	1
John Deere 350 Excavator	1
John Deere 870 Excavator	1
Komatsu 400 Articulating Haul Truck	4
CAT 740B Articulating Haul Truck	6
CAT 160H Motor Grader	1
Lube Truck	1
CAT 966G Loader	1
CAT CP433E Pad-foot Roller Compactor	1
CAT 740K Water Truck (8,000 gal)	1

Personnel:

The following personnel were at the site during this time period:

- Simplot:
 - o Grant Williams, Dave Janiak
- USFS:
 - o Not present during the reporting period.
- Kilrov:
 - Kit Long, Kevin Kilroy, Jeff Zelazoski plus 30 other personnel that include grade check, mechanics, equipment operators and laborers. Jorgensen Associates, P.C. (David Kemper, PLS) providing survey control.
- Xcell Engineering, LC
 - o Not present during the reporting period.

- Formation Environmental, Inc.
 - o Jon Friedman
- Strata
 - o Not present during the reporting period.

Materials / Equipment Received:

- Two, fully loaded semi-trailers of straw waddles were received Wednesday in preparation to be installed on final cover and cut slopes as needed. Waddle bundles are being stored in laydown area immediately southeast of new blast compound.
- Pre-cast concrete components for 42" and 24" culvert head walls were received. Components are being stored in laydown area immediately southeast of new blast compound.

Weather Conditions:

Conditions during this reporting period varied from clear to partly cloudy. Daytime temperatures ranged from the upper-40s to the lower-80s (degrees Fahrenheit). Wind with occasional gusts up to 10 mph occurred throughout the week. Hazy atmosphere due to regional forest fires has cleared somewhat compared to previous week. Constant rain on Wednesday hampered construction activity for the day.

Description of Activities:

Construction work this reporting period included:

- South Central Sedimentation Basin
 - Place and compact lower 1 foot Dinwoody material layer on top of chert layer surrounding sedimentation basin (Photograph 1).
 - o Initiate installation of low level flow through pipe with cutoff collar. Pipe consists of corrugated 12" dia. HDPE. (Photograph 2).
- South-Central Runoff Ditch to Saddle Infiltration Basin
 - No activity.
- East Side Energy Dissipation Structure (EDS)
 - Continue shaping area surrounding EDS and placing and compacting Dinwoody material as required.
- East Sedimentation Basin
 - o No activity.
- Saddle Infiltration Basin
 - o No activity.
- Dinwoody Borrow Area
 - o General haul road grading maintenance as needed.
 - Continue excavating and hauling Dinwoody borrow material to east side ODA.
 - Initiate excavation of North Borrow Area Run-on Control Ditch (Photograph 3).
- ODA Cover Construction.

- Complete hauling chert from stockpile on ES-R1-S to lower portions of ES-R2-N, ES-R2-M and ES-R2-S as stockpile has been depleted.
- o Continue placement of lower 1 foot of Dinwoody on lower portion of ES-R2-N, M and S (Photograph 4).
- o Resume placement and compaction of upper 2 feet of Dinwoody on mid portion of ES-R2-M and S (Photograph 5)
- o Chert and Dinwoody placement on west side ODA is complete with the exception of the former blast complex area.
- o Additional fencing was erected by mine around new blast compound area.
- No activity relocating equipment from old blast compound to new compound.

42-inch CMP Culvert Under Haul Road

- o Continue excavation of hill slope above culvert intake structure drainage ditch on northeast side of mine haul road (Photograph 6).
- Continue to haul hill slope excavation spoil (weathered limestone) to west side ODA blast complex and West-Side South Sedimentation Basin subgrade.
- Continue to haul hill slope excavation spoil (center waste Panel A) to west side ODA, West-Side South Sedimentation Basin subgrade.
- o Continue to stockpile boulders for riprap adjacent to excavation area on south side of road cut.
- o Initiate placement of 2 feet compacted Dinwoody over excavated center waste exposed on north side of hill slope cut.

Sample Collection and Construction Quality Control (CQC)/Construction Quality Assurance (CQA) Testing Performed:

- CQC surveying with GPS unit to verify chert and Dinwoody cover thicknesses continued as necessary east side ODA only.
- CQC cover thickness verification continued by excavating small test pits on east and west side ODA as needed east side ODA only.

Agency Oversight:

Not present during this reporting period.

Upcoming Activities:

- Complete construction of the South Central Sedimentation Basin.
- Finish excavation and embankment fill placement for Saddle Infiltration Basin.
- Resume hauling of chert from Windy Gap or other sources, in order to complete chert placement on the lower portions of WS-R2-BS and area on east side west of new blast complex.
- Continue placement of second lift of Dinwoody cover material on mid and lower east side ODA including ES-R2-N, M and S.

- Initiate construction of Southeast Runoff Ditch/Chute.
- Continue with the excavation of South Central Runoff Ditch.
- Complete construction of the Dinwoody borrow North Sedimentation Basin with overflow spillway and outfall.
- Complete construction of the Dinwoody borrow South Sedimentation Basin with overflow spillway per ECO #1.
- Continue the excavation for the 42-inch diameter CMP culvert and intake structure that diverts Panel A runoff underneath the mine haul road to the west side ODA.
- Initiate the construction of the Upper West Side Runoff Ditch to Energy Dissipation Structure.
- Continue with the construction of the North and South Dinwoody Borrow Area Run-on Control Channels.

Potential Project Issues:

Due to existing topography not matching design topographic base, additional survey control will be required in order to account for elevation and coordinate discrepancies.

Follow-Up/Resolution of Previous Potential Issues:

Additional design effort has been directed to the realignment of the West Side Runoff Ditch due to the topographic discrepancies.

Contractor Submittals:

None





Photograph 1: Looking south southwest towards South Central Sedimentation Basin as Dinwoody material is being dumped and spread by D-6 dozer.



Photograph 2: Looking south at low flow through discharge pipe (12" dia. corrugated HDPE) placement in east embankment of South Central Sedimentation Basin.



Photograph 3: Looking west at D6 dozer excavating Dinwoody borrow North Run-on Control Ditch.



Photograph 4: Looking north northwest at lower slope of ES-R2-N and M as Dinwoody material is being dumped using articulating haul truck and placed by D6 dozer.



Photograph 5: Looking north at east slope ODA as upper 2 feet of Dinwoody is being dumped and placed.



Photograph 6: Looking southeast at hillside excavation for Panel A runoff ditch. Material being excavated was hauled to WS-R2-BC to be capped with ODA cover. Exposed Panel A center waste will be covered with ODA cover material.

Figures

East Slope Panel Reference Layout

West Slope Panel Reference Layout





Photograph 1: Looking south southwest towards South Central Sedimentation Basin as Dinwoody material is being dumped and spread by D-6 dozer.



Photograph 2: Looking south at low flow through discharge pipe (12" dia. corrugated HDPE) placement in east embankment of South Central Sedimentation Basin.



Photograph 3: Looking west at D6 dozer excavating Dinwoody borrow North Run-on Control Ditch.



Photograph 4: Looking north northwest at lower slope of ES-R2-N and M as Dinwoody material is being dumped using articulating haul truck and placed by D6 dozer.



Photograph 5: Looking north at east slope ODA as upper 2 feet of Dinwoody is being dumped and placed.



Photograph 6: Looking southeast at hillside excavation for Panel A runoff ditch. Material being excavated was hauled to WS-R2-BC to be capped with ODA cover. Exposed Panel A center waste will be covered with ODA cover material.

Figures

East Slope Panel Reference Layout

West Slope Panel Reference Layout





Smoky Canyon Mine Non-Time-Critical Removal Action (NTCRA) – 2015 Activities Pole Canyon Overburden Disposal Area

Weekly Construction Report

Report No. 24

Period of Activity: 08/31/2015 – 09/04/2015

Prepared by: Formation Environmental (on behalf of the J.R. Simplot Company)

Project Owner:

J.R. Simplot Company (Simplot)

Contractor(s) and Equipment:

Contractor, Kilroy LLC (Kilroy), worked 10 hrs per day Monday thru Thursday. Friday was taken off in observance and in conjunction with the Labor Day Holiday. Kilroy is currently utilizing the following fleet of equipment:

Equipment Type	Quantity
CAT DK-5 Dozer	1
CAT D-6 Dozer	3
CAT D-8 Dozer	3
CAT D-10 Dozer	1
CAT 320 Excavator	1
John Deere 250 Excavator	1
John Deere 350 Excavator	1
John Deere 870 Excavator	1
Komatsu 400 Articulating Haul Truck	4
CAT 740B Articulating Haul Truck	6
CAT 160H Motor Grader	1
Lube Truck	1
CAT 966G Loader	1
CAT CP433E Pad-foot Roller Compactor	1
CAT 740K Water Truck (8,000 gal)	1

Personnel:

The following personnel were at the site during this time period:

- Simplot:
 - o Grant Williams, Dave Janiak
- USFS:
 - o Not present during the reporting period.
- Kilroy:
 - Kit Long, Kevin Kilroy, Jeff Zelazoski plus 30 other personnel that include grade check, mechanics, equipment operators and laborers. Jorgensen Associates, P.C. (David Kemper, PLS) providing survey control.

- Xcell Engineering, LC
 - o Not present during the reporting period.
- Formation Environmental, Inc.
 - o Jon Friedman
- Strata
 - o On-site Wednesday, September 2nd.

Materials / Equipment Received:

 Two, fully loaded semi-trailers of straw waddles were received Wednesday in preparation to be installed on final cover and cut slopes as needed. Waddle bundles are being stored in laydown area immediately southeast of new blast compound.

Weather Conditions:

Conditions during this reporting period varied from clear to partly cloudy. Daytime temperatures ranged from the upper-40s to the lower-80s (degrees Fahrenheit). Wind with occasional gusts up to 15 mph occurred daily throughout the week. Haze from regional fires has diminished.

Description of Activities:

Construction work this reporting period included:

- South Central Sedimentation Basin
 - o Complete fill placement for downstream embankment using Dinwoody material. Final grading of the surrounding area remains to be completed.
 - o Installation of low level flow through pipe with cutoff collar is complete with the exception of the 90 degree intake elbow and screen. Pipe consists of corrugated 12" dia. HDPE.
- South-Central Runoff Ditch to Saddle Infiltration Basin
 - Rough grade trapezoidal ditch invert and sidewalls into chert subgrade for a distance of about 200 ft downstream from the basin outlet (Photograph 1).
- East Side Energy Dissipation Structure (EDS)
 - o Complete rough grading and fill placement of Dinwoody material for EDS basin and embankments.
- Saddle Infiltration Basin
 - o No activity.
- East Sedimentation Basin
 - o No activity.
- Dinwoody Borrow Area
 - o General haul road grading maintenance as needed.
 - o Continue excavating and hauling Dinwoody borrow material to lower east side ODA.
 - Nearly complete excavation of North Borrow Area Run-on Control Ditch. Short segment to north sedimentation basin remains (Photograph 2a and 2b).

- o Complete installation of riprap for North Sedimentation Basin spillway and outfall.
- ODA Cover Construction.
 - o Complete placement of lower 1 foot of Dinwoody on lower portion of east side.
 - Complete placement of upper 2 feet of Dinwoody on mid portion of ES-R2-M and S.
 - o Chert and Dinwoody placement on west side ODA is complete with the exception of the former blast complex area.
 - o Additional fencing was erected by mine around new blast compound area.
 - o Mine resumed low level activity in relocating equipment from old blast compound to new compound by relocating one silo.

• 42-inch CMP Culvert Under Haul Road

- Excavation of hill slope above run off control ditch and culvert intake structure on northeast side of mine haul road is complete.
- o Initiate placement of 2 feet compacted Dinwoody over excavated center waste exposed on north side of hill slope cut.
- o Initiate and complete installation of 42" CMP. Pipe bedding material was used, placed and compacted as per design to bed the pipe. Pipe bedding material was also placed and compacted to approximately 18" above the top of the pipe to provide protection from the very granular material used by the mine for haul road base and wearing surface (Photograph 3a and 3b).

• West Side Run Off Control Ditch

o Initiate fill placement for ditch and adjacent access road by establishing alignment by placing Dinwoody material on top of final ODA cover surface (Photograph 4a and 4b). Material placed is being compacted by dozer traffic, haul truck traffic and sheep's foot compactor. Downslope embankment slopes to be constructed at 2.5(h):1(v).

Sample Collection and Construction Quality Control (CQC)/Construction Quality Assurance (CQA) Testing Performed:

- CQC surveying with GPS unit to verify chert and Dinwoody cover thicknesses continued as necessary east side ODA only (Photograph 5).
- CQC cover thickness verification continued by excavating small test pits on east and west side ODA as needed east side ODA only.
- CQA testing of compacted fill placement was performed for the following areas: 42" CMP bedding material, Dinwoody borrow north sedimentation basin, south central sedimentation basin embankment (Photograph 6), east side EDS embankment.
- No CQC testing due to scheduling conflict. Field density CQC testing of materials place to be performed following week.

Agency Oversight:

Not present during this reporting period.

Upcoming Activities:

- Complete final grading of the South Central Sedimentation Basin and surrounding area.
- Finish excavation and embankment fill placement for Saddle Infiltration Basin.
- Resume hauling chert from Windy Gap or other sources, in order to complete chert placement on area west of new blast complex and area east and south of old blast complex.
- Continue placement of second lift of Dinwoody cover material on lower quarter of east side ODA which includes lower third of ES-R2-N, M and S.
- Continue with the excavation of South Central Runoff Ditch and chute.
- Complete construction of the Dinwoody borrow South Sedimentation Basin with overflow spillway per ECO #1.
- Continue with the construction of the Upper West Side Runoff Ditch to Energy Dissipation Structure.
- Continue with the construction of the North and South Dinwoody Borrow Area Run-on Control Channels.
- Initiate the excavation for and the placement of the 36" dia. CMP for the south culvert crossing of mine haul road.

Potential Project Issues:

Due to existing topography not matching design topographic base, additional survey control will be required in order to account for elevation and coordinate discrepancies.

Follow-Up/Resolution of Previous Potential Issues:

Field design efforts continue to be directed towards runoff control ditches due to the topographic discrepancies.

Contractor Submittals:

None





Photograph 1: Looking east and downstream along the outflow from the South Central Sedimentation Basin. Note low flow through pipe (12-inch dia. CPT) in lower right of photograph.



Photograph 2a: Looking north along the Dinwoody borrow North Run-on Control Ditch.



Photograph 2b: Looking south along the Dinwoody borrow North Run-on Control Ditch.



Photograph 3a: Looking west-southwest along 42-inch dia. CMP as worker compact pipe bedding material. Due to the coarse material used to construct road, the pipe bedding was placed 18-inches above the CMP to protect pipe from large gravel point loads.



Photograph 3b: Looking northeast along 42-inch dia. CMP in trench excavated across mine haul road. Workers are compacting pipe bedding material with percussion type tamping compactor.



Photograph 4b: Looking west towards lower west side ODA and initial construction (fill placement) of material for the West Side Runoff Ditch.



Photograph 4b: Zoomed in image of Photograph 4a as D6 dozer spreads fill being placed and sheep's-foot compactor compacts subsequent lifts.



Photograph 5: Looking east and downslope at the lower portion of ES-R2-S as Dinwoody material is being placed and thickness is verified on ground with GPS survey equipment.



Photograph 6: Looking northeast towards South Central Sedimentation Basin east embankment. Engineering technician performing field density test with nuclear densometer for CQA documentation. Note flow through pipe at base of embankment with 90° elbow yet to be installed.

Figures

East Slope Panel Reference Layout

West Slope Panel Reference Layout





Smoky Canyon Mine Non-Time-Critical Removal Action (NTCRA) – 2015 Activities Pole Canyon Overburden Disposal Area

Weekly Construction Report

Report No. 25

Period of Activity: 09/07/2015 – 09/11/2015

Prepared by: Formation Environmental (on behalf of the J.R. Simplot Company)

Project Owner:

J.R. Simplot Company (Simplot)

Contractor(s) and Equipment:

Contractor, Kilroy LLC (Kilroy), worked 10 hrs per day Tuesday thru Friday and voluntary 8 hrs on Saturday. Kilroy is currently utilizing the following fleet of equipment:

Equipment Type	Quantity
CAT DK-5 Dozer	1
CAT D-6 Dozer	3
CAT D-8 Dozer	3
CAT D-10 Dozer	1
CAT 320 Excavator	1
John Deere 250 Excavator	1
John Deere 350 Excavator	1
John Deere 870 Excavator	1
Komatsu 400 Articulating Haul Truck	4
CAT 740B Articulating Haul Truck	6
CAT 160H Motor Grader	1
Lube Truck	1
CAT 966G Loader	1
CAT CP433E Pad-foot Roller Compactor	1
CAT 740K Water Truck (8,000 gal)	1

Personnel:

The following personnel were at the site during this time period:

- Simplot:
 - o Grant Williams, Dave Janiak
- USFS:
 - o Not present during the reporting period.
- Kilroy:
 - Kit Long, Kevin Kilroy, Jeff Zelazoski plus 23 other personnel that include grade check, mechanics, equipment operators and laborers. Jorgensen Associates, P.C. (David Kemper, PLS) providing survey control.

- Xcell Engineering, LC
 - o On site Wednesday, September 9th.
- Formation Environmental, Inc.
 - o Jon Friedman
- Strata
 - o Not present this reporting period.

Materials / Equipment Received:

- Two, fully loaded semi-trailers of straw waddles were received Wednesday in preparation to be installed on final cover and cut slopes as needed. Waddle bundles are being stored in laydown area immediately southeast of new blast compound.
- Pre-cast concrete components (16 separate pieces) were received. Components are being stored in laydown area immediately southeast of new blast compound.

Weather Conditions:

Conditions during this reporting period varied from clear to partly cloudy. Daytime temperatures ranged from the upper-20s to the lower-70s (degrees Fahrenheit). Constant wind with occasional gusts up to 15 mph occurred daily throughout the week. Haze from regional fires has decreased.

Description of Activities:

Construction work this reporting period included:

- South Central Sedimentation Basin
 - o No activity.
- South-Central Runoff Ditch to Saddle Infiltration Basin
 - o No activity.
- East Side Energy Dissipation Structure (EDS)
 - o No activity.
- Saddle Infiltration Basin
 - o No activity.
- East Sedimentation Basin
 - No activity.
- Dinwoody Borrow Area
 - o General haul road grading maintenance as needed.
 - Continue excavating and hauling Dinwoody borrow material to lower east side ODA and west side ODA for west side Run-off Control Ditch (Photograph 1).
- ODA Cover Construction.
 - O Continue placement of the upper 2 foot layer of Dinwoody on the lower third of ES-R2-N, ES-R2-M and ES-R2-S (Photograph 2).
 - Chert and Dinwoody placement on west side ODA is complete with the exception of the former blast complex area.
 - o Mine continued low level activity in relocating equipment from old blast compound to new compound by relocating one silo.

- 42-inch CMP Culvert Under Haul Road
 - o Complete placement of 2 feet compacted Dinwoody over excavated center waste exposed on north side of hill slope cut.
 - o Initiate placement of pre-cast concrete inlet structure. Intake box was set and leveled along with left side wing wall (Photographs 3 and 4)
- West Side Run Off Control Ditch
 - O Continue fill placement for ditch and adjacent access road. Material placed is being compacted by dozer traffic, haul truck traffic and sheep's foot compactor. Downslope embankment slope is being constructed at 2.5(h):1(v) (Photograph 5).

Sample Collection and Construction Quality Control (CQC)/Construction Quality Assurance (CQA) Testing Performed:

- CQC surveying with GPS unit to verify chert and Dinwoody cover thicknesses continued as necessary east side ODA only.
- CQC cover thickness verification continued by excavating small test pits on east and west side ODA as needed east side ODA only.
- CQC testing of compacted fill placement was performed for the following areas: 42" CMP bedding material, west side run-off control ditch embankment, Dinwoody borrow north sedimentation basin, south central sedimentation basin embankment, east side EDS embankment.

Agency Oversight:

Not present during this reporting period.

Upcoming Activities:

- Initiate the construction of the Northwest Basin and Spillway.
- Initiate enlargement of West Sedimentation Basin.
- Continue the development of the D Panel borrow area, including excavation, hauling, and stockpiling of Dinwoody material for use in the ODA cover system.
- Continue to completion, construction of the Dinwoody borrow North and South Run-On Control Ditches.
- Continue to completion, construction of the Upper and Lower West Side Run-off Ditch.
- Initiate the construction of the rock buttresses required on the west side ODA slopes that are 2(h):1(v) or steeper.

- Complete the relocation of Simplot's blasting materials storage facility.
- Initiate the construction of West Side South Sedimentation Basin and West Side Run-off Ditch to the South.
- Initiate the installation of erosion control wattles on the west face of the ODA.
- Continue hauling chert, as needed, from other parts of the Smoky Canyon Mine
 (i.e. Windy Gap) and placement of the chert, as needed, over the initial blasting
 complex (approximately 7 acres) located on the west side of the ODA for
 subsequent spreading by dozers to complete the lower two feet of the ODA cover
 system.
- Continue placement and compaction of Dinwoody material on top of chert as part of the ODA cover system on the lower portions of panels ES-R2-N, ES-R2-M and ES-R2-S.
- Initiate the construction of the top runoff control berm on the east side of the ODA crest.
- Initiate the installation of erosion control wattles on east face of ODA.
- Initiate the installation of the Upper and Lower East Face Run-off Ditches.
- Initiate the construction of the Upper East Side Chute to South Central Sedimentation Basin.
- Continue with the construction of the South Central Sedimentation Basin to completion as per the design. Fine grading of surrounding area along with associated access road are outstanding.
- Continue with the construction of the Saddle Infiltration Basin to completion as per the design.
- Initiate the construction of the Inflow Ditch from the East EDS to the Saddle Infiltration Basin.
- Complete the construction of the North Culvert Inlet Structure, Panel A Ditch, East Side Haul Road Ditch and 42-inch North Culvert under the mine haul road.
- Initiate the construction of the South Culvert Inlet Structure and the installation of the 36-inch diameter South Culvert under the mine haul road.

Potential Project Issues:

Nothing new to report.

Follow-Up/Resolution of Previous Potential Issues: Nothing new to report.

Contractor Submittals:

None





Photograph 1: Looking southwest towards Dinwoody borrow and haul road.



Photograph 2: Looking northwest towards lower east side ODA (ES-R2-N) as upper 2 foot of Dinwoody cover material is being placed.



Photograph 3: Looking south at intake structure for 42 inch dia. CMP. Worker is in the process of preparing (compacting and leveling) subgrade for left wing wall.





Photograph 5: Looking west at west side ODA and fill placement for West Side Runoff Control Ditch embankment.

Figures

East Slope Panel Reference Layout

West Slope Panel Reference Layout





Smoky Canyon Mine Non-Time-Critical Removal Action (NTCRA) – 2015 Activities Pole Canyon Overburden Disposal Area

Weekly Construction Report

Report No. 26

Period of Activity: 09/14/2015 – 09/18/2015

Prepared by: Formation Environmental (on behalf of the J.R. Simplot Company)

Project Owner:

J.R. Simplot Company (Simplot)

Contractor(s) and Equipment:

Contractor, Kilroy LLC (Kilroy), worked 10 hrs per day Monday thru Thursday and 8 hrs on Friday. Kilroy is currently utilizing the following fleet of equipment:

CAT DK-5 Dozer 1 CAT D-6 Dozer 3 CAT D-8 Dozer 3 CAT D-10 Dozer 1 CAT 320 Excavator 1 John Deere 250 Excavator 1	<u>ity</u>
CAT D-8 Dozer 3 CAT D-10 Dozer 1 CAT 320 Excavator 1	
CAT D-10 Dozer 1 CAT 320 Excavator 1	
CAT 320 Excavator 1	
John Deere 250 Excavator	
1	
John Deere 350 Excavator 1	
John Deere 870 Excavator 1	
Komatsu 400 Articulating Haul Truck 4	
CAT 740B Articulating Haul Truck 6	
CAT 160H Motor Grader 1	
Lube Truck 1	
CAT 966G Loader 1	
CAT CP433E Pad-foot Roller Compactor 1	
CAT 740K Water Truck (8,000 gal)	

Personnel:

The following personnel were at the site during this time period:

- Simplot:
 - o Grant Williams, Dave Janiak
- USFS:
 - o Not present during the reporting period.
- Kilroy:
 - Kit Long, Kevin Kilroy, Jeff Zelazoski plus 23 other personnel that include grade check, mechanics, equipment operators and laborers.
 Jorgensen Associates, P.C. (David Kemper, PLS) providing survey control although Jorgensen was not present during this reporting period.

- Xcell Engineering, LC
 - o Not present this reporting period.
- Formation Environmental, Inc.
 - o Jon Friedman
- Strata
 - o Not present this reporting period.

Materials / Equipment Received:

- Two, fully loaded semi-trailers of straw waddles were received Wednesday and Thursday in preparation to be installed on final cover and cut slopes as needed. Waddle bundles are being stored in laydown area immediately southeast of new blast compound. A total of approximately 145,000 linear feet out of approximately 165,000 linear feet of wattles have been delivered to site.
- Remainder of the outstanding pre-cast concrete cut-off wall components was received. Components are being stored in laydown area immediately southeast of new blast compound.

Weather Conditions:

Conditions during this reporting period varied from clear to cloudy with moderate to heavy rain on Tuesday and Wednesday. Daytime temperatures ranged from the low-30s to the lower-70s (degrees Fahrenheit). Wind with occasional gusts up to 10 mph occurred sporadically throughout the week. Haze from regional fires was intermittent.

Description of Activities:

Construction work this reporting period included:

- South Central Sedimentation Basin
 - o Install turf reinforced matting (TRM) within basin interior slopes, flow through rock filtration berm and rip rap for chute into basins which will be grouted at a later date (Photograph 1).
- South-Central Runoff Ditch to Saddle Infiltration Basin
 - o Complete excavation to energy dissipation structure.
 - Initiate installation of TRM along channel bottom and side-slopes (Photograph 2).
- East Side Energy Dissipation Structure (EDS)
 - o No activity.
- Saddle Infiltration Basin
 - o No activity.
- East Sedimentation Basin
 - o No activity.
- Dinwoody Borrow Area
 - o General haul road grading maintenance as needed.
 - o Excavate south Run-on Control Ditch. An approximate 100 ft segment remains to be excavated at the south end terminus.
 - o Initiate placement of topsoil cover on southern mid-section of final borrow cut slopes (Photograph 3).

- ODA Cover Construction.
 - o Resume hauling chert from Windy Gap to temporary stockpile south of former blast complex area (Photograph 4).
 - Mine continued low level activity in relocating equipment from old blast compound to new compound by erecting relocated silo and several pieces of miscellaneous equipment.
- 42-inch CMP Culvert Under Haul Road
 - o Complete placement of 2 feet compacted Dinwoody over excavated center waste exposed on north side of hill slope cut.
 - o Complete placement of pre-cast concrete inlet structure with right side wing wall (Photographs 5a and 5b).
- West Side Run Off Control Ditch
 - o Complete fill placement for ditch and adjacent access road embankment downstream of the Energy Dissipation Structure (EDS).
 - o Initiate excavation for west side EDS (Photograph 6).

Sample Collection and Construction Quality Control (CQC)/Construction Quality Assurance (CQA) Testing Performed:

- CQC surveying with GPS unit to verify chert and Dinwoody cover thicknesses continued as necessary east side ODA only.
- CQC cover thickness verification continued by excavating small test pits on east and west side ODA as needed east side ODA only.

Agency Oversight:

Not present during this reporting period.

Upcoming Activities:

- Initiate the construction of the Northwest Basin and Spillway.
- Continue the development of the D Panel borrow area, including excavation, hauling, and stockpiling of Dinwoody material for use in the ODA cover system and water management features.
- Continue to completion, construction of the Dinwoody borrow North and South Run-On Control Ditches.
- Continue to completion, construction of the Upper and Lower West Side Run-off Ditch.
- Initiate the construction of the rock buttresses required on the west side ODA slopes that are 2(h):1(v) or steeper.

- Complete the relocation of Simplot's blasting materials storage facility.
- Initiate the construction of West Side South Sedimentation Basin and West Side Run-off Ditch to the South.
- Initiate the installation of erosion control wattles on the west face of the ODA.
- Initiate enlargement of West Sedimentation Basin.
- Continue hauling chert, as needed, from Windy Gap and placement of the chert, as needed, over the initial blasting complex (approximately 7 acres) located on the west side of the ODA for subsequent spreading by dozers to complete the lower two feet of the ODA cover system.
- Continue to completion placement and compaction of Dinwoody material on top
 of chert as part of the ODA cover system on the lower portions of panels ES-R2N, ES-R2-M and ES-R2-S.
- Initiate the construction of the top runoff control berm on the east side of the ODA crest.
- Initiate the installation of erosion control wattles on east face of ODA.
- Initiate the installation of the Upper and Lower East Face Run-off Ditches.
- Initiate the construction of the Upper East Side Chute to South Central Sedimentation Basin.
- Continue with the construction of the South Central Sedimentation Basin to completion as per the design. Fine grading of surrounding area along with associated access road are outstanding.
- Continue with the construction of the Saddle Infiltration Basin to completion as per the design.
- Initiate the construction of the Inflow Ditch from the East EDS to the Saddle Infiltration Basin.
- Complete the construction of the North Culvert Inlet Structure, Panel A Ditch, East Side Haul Road Ditch and 42-inch North Culvert under the mine haul road.
- Initiate the construction of the South Culvert Inlet Structure and the installation of the 36-inch diameter South Culvert under the mine haul road.

Potential Project Issues:

Nothing new to report.

${\bf Follow\text{-}Up/Resolution\ of\ Previous\ Potential\ Issues:}$

Nothing new to report.

Contractor Submittals:

None.





Photograph 1: Looking north east at South Central Sedimentation Basin. Note flow through rock filtration berm, TRM lining on basin side slopes and rip rap for inflow chute in lower left of photograph.



Photograph 2: Looking east and along South Central Run-off Ditch towards the East Side Energy Dissipation Structure. A portion of the ditch has been lined with TRM.



Photograph 3: Looking west towards Dinwoody Borrow as dozers push and place topsoil as part of reclamation in preparation for seed and erosion control.



Photograph 4: Looking southwest towards south end of former blast compound area as chert is being hauled (from Wind Gap) and stockpiled for future placement over the form blast compound area.



Photograph 5a: Looking south at pre-cast concrete inlet structure for 42-inch dia. CMP north culvert undermine haul road.



Photograph 5b: Looking north at pre-cast concrete inlet structure for 42-inch dia. CMP north culvert under mine haul road.



Photograph 6: Looking northeast at west side ODA cover as excavator initiates excavation for West Side Run-off Ditch Energy Dissipation Structure.

Figures

East Slope Panel Reference Layout

West Slope Panel Reference Layout





Smoky Canyon Mine Non-Time-Critical Removal Action (NTCRA) – 2015 Activities Pole Canyon Overburden Disposal Area

Weekly Construction Report

Report No. 27

Period of Activity: 09/21/2015 – 09/25/2015

Prepared by: Formation Environmental (on behalf of the J.R. Simplot Company)

Project Owner:

J.R. Simplot Company (Simplot)

Contractor(s) and Equipment:

Contractor, Kilroy LLC (Kilroy), worked 10 hrs per day Monday thru Thursday and 8 hrs on Friday. Kilroy is currently utilizing the following fleet of equipment:

Equipment Type	Quantity
CAT DK-5 Dozer	1
CAT D-6 Dozer	3
CAT D-8 Dozer	3
CAT D-10 Dozer	1
CAT 320 Excavator	1
John Deere 250 Excavator	1
John Deere 350 Excavator	1
John Deere 870 Excavator	1
Komatsu 400 Articulating Haul Truck	4
CAT 740B Articulating Haul Truck	6
CAT 160H Motor Grader	1
Lube Truck	1
CAT 966G Loader	1
CAT CP433E Pad-foot Roller Compactor	1
CAT 740K Water Truck (8,000 gal)	1

Personnel:

The following personnel were at the site during this time period:

- Simplot:
 - o Grant Williams, Dave Janiak and Monty Johnson
- Agency:
 - o USFS Mary Kauffman, Sherri Stumbo
 - o IDEQ Doug Tanner, Tom Hepworth
 - o FWS Sandi Fisher
 - o EPA Matt Wilkening, Marc Stifelman
- Kilroy:
 - o Kit Long, Kevin Kilroy, Jeff Zelazoski plus 28 other personnel that include grade check, mechanics, equipment operators and laborers.

- o Jorgensen Associates, P.C. (David Kemper, PLS) providing survey control.
- Xcell Engineering, LC
 - o On-site September 21 and 23.
- Formation Environmental, Inc.
 - o Jon Friedman
- Strata
 - o On-site September 24.

Materials / Equipment Received:

• 8 tons of pipe bedding material delivered.

Weather Conditions:

Conditions during this reporting period varied from clear to slightly cloudy. Daytime temperatures ranged from the low-30s to the lower-70s (degrees Fahrenheit). Wind with occasional gusts up to 10 mph occurred sporadically throughout the week. Haze from regional fires was not noticeable.

Description of Activities:

Construction work this reporting period included:

- South Central Sedimentation Basin
 - Excavate trench in east embankment to accommodate precast concrete cutoff wall structure.
- South-Central Runoff Ditch to Saddle Infiltration Basin
 - o Complete excavation to energy dissipation structure.
 - o Resume installation of TRM along channel bottom and side-slopes.
- East Side Energy Dissipation Structure (EDS)
 - o No activity.
- Saddle Infiltration Basin
 - No activity.
- East Sedimentation Basin
 - Construct spillway by excavating channel in embankment and installing non-woven geofabric and rip rap.
- Dinwoody Borrow Area
 - o General haul road grading maintenance as needed.
 - o Resume hauling Dinwoody to the lower portions of ES-R2-N, ES-R2-M and ES-R2-S.
- ODA Cover Construction.
 - Mine continued low level activity in relocating equipment from old blast compound to new compound by moving concrete blocks and tent structure.
 - o Resume hauling and placing Dinwoody onto the lower third of panels ES-R2-N, ES-R2-M and ES-R2-S.

- Excavate temporary run-off control ditch on lower portion of panel ES-R2-N and ES-R2-M as a construction BMP (Photograph 1).
- o Prepare cover surface for hydro-seeding and erosion controls upper portion of ES-R2-N, ES-R2-M and ES-R2-S (Photograph 2).
- 42-inch CMP Culvert Under Mine Haul Road (North End Culvert)
 - No activity.
- West Side Run Off Control Ditch
 - o Initiate excavation for run-off ditch both upstream and downstream of the Energy Dissipation Structure (EDS).
 - o Continue with the excavation for west side EDS (Photograph 3).
- 36-inch CMP Culvert Under Mine Haul Road (South End Culvert)
 - o Initiate to completion the excavation and placement of 150 linear feet of CMP including the placement and compaction of pipe bedding and overlying road base backfill. Pipe bedding was placed to a foot above top of pipe (Photograph 4a).
 - Will need to complete culvert installation with tapered end section at the intake when west central run-off ditch is completed.
 - o Rip rap was placed at culvert outlet which will be grouted at a later date (Photograph4b).

Sample Collection and Construction Quality Control (CQC)/Construction Quality Assurance (CQA) Testing Performed:

- CQC surveying with GPS unit to verify chert and Dinwoody cover thicknesses continued as necessary east side ODA only.
- CQC cover thickness verification continued by excavating small test pits on east and west side ODA as needed east side ODA only.
- CQC testing of compacted fill placement was performed for the following areas: 36" CMP bedding material (south culvert) and west side runoff ditch embankments.
- CQA testing of compacted fill placement was performed for the following areas: 36" CMP bedding material (south culvert) and west side run-off control channel embankments.

Agency Oversight:

• USFS - Mary Kauffman, Sherri Stumbo on site Thursday, 24 September along with other agency representatives including: IDEQ - Doug Tanner & Tom Hepworth; FWS - Sandi Fisher; EPA - Matt Wilkening & Marc Stifelman

Upcoming Activities:

• Initiate the construction of the Northwest Basin and Spillway.

- Continue the development of the D Panel borrow area, including excavation, hauling, and stockpiling of Dinwoody material for use in the ODA cover system and water management features.
- Resume Dinwoody borrow reclamation with topsoil and erosion controls.
- Continue to completion, construction of the Dinwoody borrow North and South Run-On Control Ditches.
- Continue to completion, construction of the Upper and Lower West Side Run-off Ditch.
- Initiate the construction of the rock buttresses required on the west side ODA slopes that are 2(h):1(v) or steeper.
- Complete the relocation of Simplot's blasting materials storage facility.
- Initiate the construction of West Side South Sedimentation Basin and West Side Run-off Ditch to the South.
- Initiate the installation of erosion control wattles on the west face of the ODA.
- Initiate enlargement of West Sedimentation Basin.
- Continue hauling chert, as needed, from Windy Gap and placement of the chert, as needed, over the initial blasting complex (approximately 7 acres) located on the west side of the ODA for subsequent spreading by dozers to complete the lower two feet of the ODA cover system.
- Continue to completion placement and compaction of Dinwoody material on top of chert as part of the ODA cover system on the lower portions of panels ES-R2-N, ES-R2-M and ES-R2-S.
- Initiate the construction of the top runoff control berm on the east side of the ODA crest.
- Initiate the installation of erosion control wattles on east face of ODA.
- Initiate the installation of the Upper and Lower East Face Run-off Ditches.
- Initiate the construction of the Upper East Side Chute to South Central Sedimentation Basin.

- Continue with the construction of the South Central Sedimentation Basin to completion as per the design. Fine grading of surrounding area along with associated access road are outstanding.
- Continue with the construction of the Saddle Infiltration Basin to completion as per the design.
- Initiate the construction of the Inflow Ditch from the East EDS to the Saddle Infiltration Basin.
- Complete the construction of the Panel A Ditch and East Side Haul Road Ditch.
- Initiate the installation of the tapered inlet structure for the South Culvert Inlet.

Potential Project Issues:

Nothing new to report.

Follow-Up/Resolution of Previous Potential Issues:

Nothing new to report.

Contractor Submittals:

None.





Photograph 1: Looking north east at the lower portion of ES-R2-N and rock buttress. Contractor excavated temporary run-off control ditch to divert water back towards the south and East Sedimentation Basin as a precautionary measure (BMP) in the event a storm were to occur prior to completion of permanent erosion controls are in place.



Photograph 2: Looking up and west at the upper portion of ES-R2-M as tractor pulls disc across final civer surface in preparation for hydro-seeding and erosion controls (straw wattles).



Photograph 3: Looking west across WS-R2-W as excavator makes initial excavation for West Side Run-off Ditch down stream of West Side Energy Dissipation Structure.



Photograph 4a: Looking northwest at workers compacting pipe bedding material adjacent to and above 36-inch dia. CMP (South Culvert) that crosses mine haul road at the south end of the project area.



Photograph 4b: Looking northeast at the rip rap lined apron for the 36-inch dia. CMP outlet.

Figures

East Slope Panel Reference Layout

West Slope Panel Reference Layout

Smoky Canyon Mine Non-Time-Critical Removal Action (NTCRA) – 2015 Activities Pole Canyon Overburden Disposal Area

Weekly Construction Report

Report No. 28

Period of Activity: 09/28/2015 – 10/02/2015

Prepared by: Formation Environmental (on behalf of the J.R. Simplot Company)

Project Owner:

J.R. Simplot Company (Simplot)

Contractor(s) and Equipment:

Contractor, Kilroy LLC (Kilroy), worked 10 hrs per day Monday thru Thursday and 8 hrs on Friday. Kilroy is currently utilizing the following fleet of equipment:

Equipment Type	Quantity
CAT DK-5 Dozer	1
CAT D-6 Dozer	3
CAT D-8 Dozer	3
CAT D-10 Dozer	1
CAT 320 Excavator	1
John Deere 250 Excavator	1
John Deere 350 Excavator	1
John Deere 870 Excavator	1
Komatsu 400 Articulating Haul Truck	4
CAT 740B Articulating Haul Truck	6
CAT 160H Motor Grader	1
Lube Truck	1
CAT 966G Loader	1
CAT CP433E Pad-foot Roller Compactor	1
CAT 740K Water Truck (8,000 gal)	1
CAT MT765C Challenger	1
CASE 6200 Seed Drill	1

Personnel:

The following personnel were at the site during this time period:

- Simplot:
 - o Grant Williams, Dave Janiak and Monty Johnson
- Agency:
 - o Not present.
- Kilroy:
 - o Kit Long, Kevin Kilroy, Jeff Zelazoski plus 28 other personnel that include grade check, mechanics, equipment operators and laborers.

- o Jorgensen Associates, P.C. (David Kemper, PLS) providing survey control.
- Triple HHH Landscaping
- Xcell Engineering, LC
 - o Not present.
- Formation Environmental, Inc.
 - o Jon Friedman
- Strata
 - o Not present.

Materials / Equipment Received:

- Two semi-truck loads of Hydro Straw bales on shrink wrap pallets.
- 15 Tons road base (pipe bedding) material.

Weather Conditions:

Conditions during this reporting period varied from clear to slightly cloudy. Daytime temperatures ranged from the low-30s to the lower-70s (degrees Fahrenheit). Wind with occasional gusts up to 10 mph occurred sporadically throughout the week. Project site received hard rain early Sunday morning and light drizzle Thursday afternoon. Haze from regional fires was not noticeable.

Description of Activities:

Construction work this reporting period included:

- South Central Sedimentation Basin
 - o Fine grade access road around west and north side of basin.
- South-Central Runoff Ditch to Saddle Infiltration Basin
 - Complete installation of TRM along channel bottom and side-slopes from South Central Sedimentation Basin Outfall to just upstream of EDS inlet.
- East Side Energy Dissipation Structure (EDS)
 - o No activity.
- Saddle Infiltration Basin
 - o No activity.
- South East Run-off Chute/Ditch
 - Place survey stakes for the South East Run-off Chute/Ditch for a distance of 300 feet upstream of East Sedimentation Basin inlet.
- East Sedimentation Basin
 - o No activity.
- Dinwoody Borrow Area
 - o General haul road grading maintenance as needed.
 - o Continue hauling Dinwoody to the lower portions of ES-R2-N, ES-R2-M and ES-R2-S.
 - o Commence installation of turf reinforced matting (TRM) in South Run-on Control Ditch (Photograph 1).
 - o Commence seeding south central portion of borrow area with hydro mulch and seed (Photograph 2).

- ODA Cover Construction.
 - Mine continued low level activity in relocating equipment from old blast compound to new compound by moving miscellaneous pieces of machinery.
 - o Resume hauling and placing Dinwoody onto the lower third of panels ES-R2-N, ES-R2-M and ES-R2-S (Photograph 3).
 - o Initiate construction of Upper East Face Runoff Ditch across ES-R1/2-N and ES-R1/2-M and ES-R1/2-S (Photograph 3).
 - o Initiate vegetation seed placement on WS-R2-M (Photograph 4).
- 42-inch CMP Culvert Under Mine Haul Road (North End Culvert)
 - o No activity.
- West Side Run Off Control Ditch
 - o Complete excavation for run-off ditch both upstream and downstream of the Energy Dissipation Structure (EDS).
 - o Continue with the excavation for EDS. Minor adjustments needed to accommodate ditch inlet and outlet (Photograph 5).
 - o Place non-woven geofabric liner in ditch bottom and side slopes both upstream and downstream of EDS (Photographs 6a & 6b).
 - o Place rip rap in ditch downstream of EDS from EDS outlet to West Sedimentation Basin (Photograph 7).
- 36-inch CMP Culvert Under Mine Haul Road (South End Culvert)
 - o No activity.

Sample Collection and Construction Quality Control (CQC)/Construction Quality Assurance (CQA) Testing Performed:

- CQC surveying with GPS unit to verify chert and Dinwoody cover thicknesses continued as necessary east side ODA only.
- CQC cover thickness verification continued by excavating small test pits on east and west side ODA as needed east side ODA only.

Agency Oversight:

Not present during this reporting period.

Upcoming Activities:

- Initiate the construction of the Northwest Basin and Spillway.
- Continue the development of the D Panel borrow area, including excavation, hauling, and stockpiling of Dinwoody material for use in the ODA cover system and water management features.
- Resume Dinwoody borrow reclamation with topsoil and erosion controls.
- Continue to completion, construction of the Dinwoody borrow North and South Run-On Control Ditches complete with TRM lining.

- Continue to completion, construction of the Upper and Lower West Side Run-off Ditch.
- Initiate the construction of the rock buttresses required on the west side ODA slopes that are 2(h):1(v) or steeper.
- Complete the relocation of Simplot's blasting materials storage facility.
- Initiate the construction of West Side South Sedimentation Basin and West Side Run-off Ditch to the South.
- Initiate the installation of erosion control wattles on the west face of the ODA.
- Initiate enlargement of West Sedimentation Basin.
- Continue hauling chert, as needed, from Windy Gap and placement of the chert, as needed, over the initial blasting complex (approximately 7 acres) located on the west side of the ODA for subsequent spreading by dozers to complete the lower two feet of the ODA cover system.
- Continue to completion placement and compaction of Dinwoody material on top of chert as part of the ODA cover system on the lower portions of panels ES-R2-N, ES-R2-M and ES-R2-S.
- Initiate the construction of the top runoff control berm on the east side of the ODA crest.
- Initiate the installation of erosion control wattles on east face of ODA.
- Initiate the installation of the Upper and Lower East Face Run-off Ditches.
- Initiate the construction of the Upper East Side Chute to South Central Sedimentation Basin.
- Continue with the construction of the South Central Sedimentation Basin to completion as per the design. Fine grading of surrounding area is outstanding.
- Continue with the construction of the Saddle Infiltration Basin to completion as per the design.
- Initiate the construction of the Inflow Ditch from the East EDS to the Saddle Infiltration Basin.

- Continue to completion the construction of the Panel A Ditch and East Side Haul Road Ditch.
- Initiate the installation of the tapered inlet structure for the South Culvert Inlet.

Potential Project Issues:

Nothing new to report.

Follow-Up/Resolution of Previous Potential Issues:

Nothing new to report.

Contractor Submittals:

None.





Photograph 1: Looking north along the Dinwoody borrow South Run-on Control Ditch as workers install turf reinforced matting (TRM).



Photograph 2: Looking northwest at the southern central area of the Dinwoody borrow west cut slope. Triple HHH Landscaping is applying Hydro Straw complete with tactifier and seed. Workers above are installing TRM along South Run-on Control Ditch.



Photograph 3: Looking northwest at the east face of the ODA. Dozers are pushing Dinwoody cover material downslope on ES-R2-M and ES-R2-S. Small dozer above is excavating Upper East Side Run-off Control Ditch across EX-R2-N.



Photograph 4: Looking west towards west side ODA cover as tractor pulls seed drill over a portion of WS-R2-M.



Photograph 5: Looking west at west side ODA as an excavator removes material in preparation of the west side Energy Dissipation Structure.



Photograph 6a: Looking north along the West Side Run-off Control Ditch downstream of the 42-inch dia. CMP outlet. The ditch has been lined with non-woven geotextile in preparation for rip rap.



Photograph 6b: Looking south along the West Side Run-off Control Ditch downstream of the 42-inch dia. CMP outlet. The ditch has been lined with non-woven geotextile in preparation for rip rap.



Photograph 7: Looking west along the lower reaches of the West Side Run-off Control Ditch. Rip rap has been placed on top of non-woven geofabric and excavator is removing material for the construction of the lower portion of the ditch.

Figures

East Slope Panel Reference Layout

West Slope Panel Reference Layout





Smoky Canyon Mine Non-Time-Critical Removal Action (NTCRA) – 2015 Activities Pole Canyon Overburden Disposal Area

Weekly Construction Report

Report No. 29

Period of Activity: 10/05/2015 – 10/10/2015

Prepared by: Formation Environmental (on behalf of the J.R. Simplot Company)

Project Owner:

J.R. Simplot Company (Simplot)

Contractor(s) and Equipment:

Contractor, Kilroy LLC (Kilroy), worked 10 hrs per day Monday thru Thursday and 8 hrs on Friday and Saturday. Kilroy is currently utilizing the following fleet of equipment:

Equipment Type	Quantity
CAT DK-5 Dozer	1
CAT D-6 Dozer	3
CAT D-8 Dozer	3
CAT D-10 Dozer	1
CAT 320 Excavator	1
John Deere 250 Excavator	1
John Deere 350 Excavator	1
John Deere 870 Excavator	1
Komatsu 400 Articulating Haul Truck	4
CAT 740B Articulating Haul Truck	6
CAT 160H Motor Grader	1
Lube Truck	1
CAT 966G Loader	1
CAT CP433E Pad-foot Roller Compactor	1
CAT 740K Water Truck (8,000 gal)	1
CAT MT765C Challenger	1
CASE 6200 Seed Drill	1

Personnel:

The following personnel were at the site during this time period:

- Simplot:
 - o Grant Williams, Dave Janiak
- Agency:
 - o Not present.
- Kilroy:
 - o Kit Long, Kevin Kilroy, Jeff Zelazoski plus 28 other personnel that include grade check, mechanics, equipment operators and laborers.

- o Jorgensen Associates, P.C. (David Kemper, PLS) providing survey control.
- Triple HHH Landscaping
- Xcell Engineering, LC
 - o Not present.
- Formation Environmental, Inc.
 - o John Rahe
- Strata
 - o Not present.

Materials / Equipment Received:

- Precast cutoff walls (complete)
- Hydroseed materials and straw wattles

Weather Conditions:

Conditions during this reporting period varied from clear to slightly cloudy. Daytime temperatures ranged from the low-30s to the lower-70s (degrees Fahrenheit). Wind with occasional gusts up to 10 mph occurred sporadically throughout the week. Some fog in early morning.

Description of Activities:

Construction work this reporting period included:

- South Central Sedimentation Basin
 - Substantially Complete except for inlet and outlet; Spreading Dinwoody cover material north of basin; Hydroseeding north of basin (Photograph No1).
- South-Central Runoff Ditch to Saddle Infiltration Basin
 - o Complete installation of TRM along channel bottom and side-slopes from South Central Sedimentation Basin Outfall to just upstream of EDS inlet.
- East Side Energy Dissipation Structure (EDS)
 - o Rough Excavation (partially filled with local sediment from storm runoff).
- Saddle Infiltration Basin
 - o No activity (rough excavation; basin requires completion).
- South East Run-off Chute/Ditch
 - o No activity (chute area requires completion).
- East Sedimentation Basin
 - o No activity; rough spillway requires completion; removal of sediment from basin needed (Photograph No. 2).
- West Sedimentation Basin

No activity; Not Started.

• Northwest Detention/Sedimentation Basin

No activity; Not Started.

- Dinwoody Borrow Area
 - o General haul road grading maintenance as needed.
 - Continue loading Dinwoody from north borrow area and hauling to the lower portions of ES-R2-M and ES-R2-S.
 - o Completed installation of turf reinforced matting (TRM) in South Run-on Control Ditch (Photograph No. 3).
 - Hydroseeded west excavation slope of borrow area with hydro mulch and seed.
- ODA Cover Construction.
 - Movement of material and equipment from Blast Compound Area to Top of ODA; Top of ODA Requires Final Grading to Eliminate Pond Formation (Photograph No. 4).
 - o Resume hauling and placing Dinwoody onto the lower third of panels ES-R2-N. ES-R2-M and ES-R2-S.
 - o Initiate construction of Upper East Face Runoff Ditch across ES-R1/2-N and ES-R1/2-M and ES-R1/2-S.
- Complete vegetation hydroseed placement on west-side ODA; Lower West Toe Area Requires Completion (Photograph No. 5).
- 42-inch CMP Culvert Under Mine Haul Road (North End Culvert)
 - o No activity (installed, needs completion of fill around inlet structure).
- West Side Run Off Control Ditch
 - o Installation of riprap for run-off ditch both upstream and downstream of the Energy Dissipation Structure (EDS).
 - Completion of the West EDS including riprap which needs grouting and initial installation of the 48-Inch CMP culvert (Photograph Nos. 6a and 6b).
 - Place rip rap in ditch downstream of EDS from EDS outlet to outfall near West Sedimentation Basin (outfall requires completion).
 - Placement of 4-inch chert surface to access berms adjacent to west runoff system.
- 36-inch CMP Culvert Under Mine Haul Road (South End Culvert)
 - o No activity; Needs Completion of Inlet.
- East-Side Runoff Control System
 - o Installation of East Side-Slope Runoff Ditch and 36-Inch Culvert for Ditch at East Access Road Switchback (Photograph No. 7).
- Miscellaneous Simplot installed five shallow borehole permeameters in the Dinwoody cover: (3) in west side slope area and (2) in east top area (Photograph No. 8)
- Installation of 24-inch CMP culvert along west side of Haul Road for access to West ODA area.

Sample Collection and Construction Quality Control (CQC)/Construction Quality Assurance (CQA) Testing Performed:

• CQC surveying with GPS unit to verify chert and Dinwoody cover thicknesses continued as necessary.

• CQC cover thickness verification continued by excavating small test pits on east and west side ODA as needed east side ODA only.

Agency Oversight:

Not present during this reporting period.

Upcoming Activities in Order of Preferred Priority:

- Complete installation of the inflow to the 42-Inch culvert adjacent to the haul road, initiate construction of the East Runoff Ditch System adjacent to the haul road, Downdrain from east top area though South-Central Sedimentation Basin, outfall to the East EDS and final drainage to the Saddle Infiltration Basin including completion of basins and spillways.
- Complete Lower West-Side ODA chert and Dinwoody cover (west end of WS-R1-W and WS-R2-W) and final grading to promote drainage at West Toe Area
- Complete relocation of facilities to ODA top, and initiate the construction of the top runoff control berm on the east side of the ODA crest and perform final grading of top area as necessary to eliminate potential ponds, and continue hauling chert, as needed, from Windy Gap and placement of the chert, as needed, over the initial blasting complex (approximately 7 acres) located on the west side of the ODA for subsequent spreading by dozers to complete the lower two feet of the ODA cover system to promote drainage of the area.
- Initiate and complete the South West-Side ODA cover system (WS-R2-BC), runoff ditch and South West-Side Sedimentation Basin with discharge ditch to the south culvert.
- Complete installation of riprap for drainage systems including infill of voids in large rock with smaller rock, grouted riprap where required, and initiate the construction of the rock buttresses required on the west side ODA slopes that are 2(h):1(v) or steeper.
- Complete construction of the Lower West Side Run-off Ditch outfall to West Sedimentation Basin and complete enlargement of West Sedimentation Basin.
- Complete hydoseeding on the ODA and initiate and complete the installation of erosion control wattles on east and west faces of the ODA.
- Initiate the construction of the Northwest Detention/Sedimentation Basin, Outlet and Spillway with outfall to existing Infiltration Basin.

• Complete Dinwoody borrow reclamation with topsoil and erosion controls including completion of the North and South Run-On Control Ditches and TRM lining.

Potential Project Issues:

Nothing new to report.

Follow-Up/Resolution of Previous Potential Issues:

Nothing new to report.

Contractor Submittals:

None.





Photograph 1: Hydroseeded South East-Side Slope above South-Central Sedimentation Basin showing Dinwoody piles to be spread.



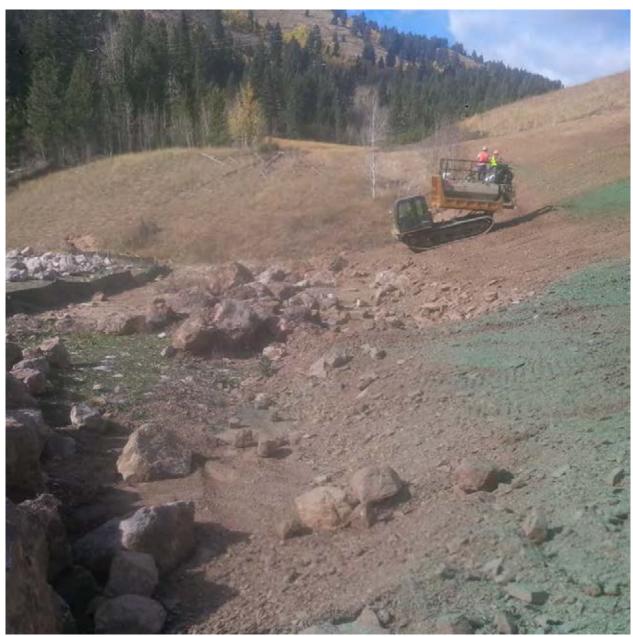
Photograph 2: East Sedimentation Basin with rough spillway requiring completion by removal of oversized rip rap and installation of concrete cutoff wall at control section.



Photograph 3: South Run-On Control Ditch with TRM installed at Dinwoody Borrow Area; borrow cut slope hydroseeded.



Photograph 4: Top east side of ODA requiring final grading to eliminate ponds; pad for Blast Compound and final contractor staging area to left (not shown).



Photograph 5: Hydroseeding lower west ODA slope showing area at west toe of ODA (above existing Infiltration Basin) requiring completion.



Photograph 6a: West-side EDS with cutoff wall; needs grouting of riprap; inflow from West Berm Runoff discharges to EDS at right.



Photograph 6b: 48-Inch CMP in West-Side Runoff Ditch (requires inlet section and additional cover at road crossing).



Photograph No. 7: 36-Inch CMP culvert installation for East Face Runoff Ditch at location of future East Access Road Switchback.



Photograph No. 8: Shallow Borehole Permeameter Top East ODA Area.

Figures

East Slope Panel Reference Layout

West Slope Panel Reference Layout





Smoky Canyon Mine Non-Time-Critical Removal Action (NTCRA) – 2015 Activities Pole Canyon Overburden Disposal Area

Weekly Construction Report

Report No. 30

Period of Activity: 10/12/2015 – 10/16/2015

Prepared by: Formation Environmental (on behalf of the J.R. Simplot Company)

Project Owner:

J.R. Simplot Company (Simplot)

Contractor(s) and Equipment:

Contractor, Kilroy LLC (Kilroy), worked 10 hrs per day Monday thru Thursday and 8 hrs on Friday. Kilroy is currently utilizing the following fleet of equipment:

Equipment Type	Quantity
CAT DK-5 Dozer	1
CAT D-6 Dozer	3
CAT D-8 Dozer	3
CAT D-10 Dozer	1
CAT 320 Excavator	1
John Deere 250 Excavator	1
John Deere 350 Excavator	1
John Deere 870 Excavator	1
Komatsu 400 Articulating Haul Truck	4
CAT 740B Articulating Haul Truck	6
CAT 160H Motor Grader	1
Lube Truck	1
CAT 966G Loader	1
CAT CP433E Pad-foot Roller Compactor	1
CAT 740K Water Truck (8,000 gal)	1
CAT MT765C Challenger	1
CASE 6200 Seed Drill	1

Personnel:

The following personnel were at the site during this time period:

- Simplot:
 - o Grant Williams, Dave Janiak
- Agency:
 - o Not present.
- Kilroy:
 - o Kit Long, Kevin Kilroy, Jeff Zelazoski plus 28 other personnel that include grade check, mechanics, equipment operators and laborers.
 - o Jorgensen Associates, P.C. (David Kemper, PLS) providing survey control.

- Triple HHH Landscaping
- Xcell Engineering, LC
 - o Not present.
- Formation Environmental, Inc.
 - o Not Present.
- Strata
 - o Not present.

Materials / Equipment Received:

• Hydroseed materials and straw wattles

Weather Conditions:

Conditions during this reporting period varied from clear to slightly cloudy. Daytime temperatures ranged from the low-30s to the lower-70s (degrees Fahrenheit). Wind with occasional gusts up to 10 mph occurred sporadically throughout the week. Some early morning fog.

Description of Activities:

Construction work this reporting period included:

- South Central Sedimentation Basin
 - o Substantially complete except for inlet and outlet.
 - Place and set pre-cast concrete cutoff wall. Needs additional fill on upper portion of both sides of wall.
 - Minor work on south access road.
- South-Central Runoff Ditch to Saddle Infiltration Basin
 - o Substantially complete with placement of geofabric and riprap.
 - Need to place and set pre-cast concrete cutoff walls at trapezoidal to Vditch transition and at the inlet to EDS.
- East Side Energy Dissipation Structure (EDS)
 - o Place geofabric and riprap.
 - Need to grout riprap.
- Saddle Infiltration Basin
 - o Initiate fill placement and compaction (chert from Windy Gap) for north embankment (Photograph 1).
- South East Run-off Chute/Ditch
 - No activity (chute area requires completion).
- East Sedimentation Basin
 - o No activity; rough spillway requires completion; removal of sediment from basin needed.
- West Sedimentation Basin

No activity; Not Started.

- Northwest Detention/Sedimentation Basin
 - No activity; Not Started.
- Dinwoody Borrow Area
 - o General haul road grading maintenance as needed.
 - o Continue loading Dinwoody from north borrow area and hauling to the lower portions of ES-R2-M and ES-R2-S.
 - o Topsoil stockpile reclamation remains.
 - o Timber slash reclamation remains.
 - o Placement of TRM in North Run-on Control Ditch remains to be completed.
- ODA Cover Construction.
 - o Movement of material and equipment from former Blast Compound Area to New Blast Compound Area Top of East Side ODA completed.
 - o Complete hauling and placing Dinwoody onto the lower third of panels ES-R2-N, ES-R2-M and ES-R2-S.
 - o Continue construction of Upper, Middle and Lower East Face Runoff Ditch across ES-R1/2-N and ES-R1/2-M and ES-R1/2-S.
- Complete vegetation hydroseed placement on west-side ODA; Lower west toe area above infiltration basin requires ODA cover for completion.
- 42-inch CMP Culvert Under Mine Haul Road (North End Culvert)
 - o No activity (installed, needs completion of fill around inlet structure).
- West Side Run Off Control Ditch
 - o Completion of the West EDS including riprap. To be grouted.
 - o Complete installation of the 48-Inch CMP culvert at access road crossing. Culvert inlet and outlet to be grouted.
 - o Ditch outfall requires completion.
 - Placement of 4-inch chert surface to portion of access road/berms adjacent to west runoff system.
- 36-inch CMP Culvert Under Mine Haul Road (South End Culvert)
 - o No activity; Needs Completion of Inlet. Flared inlet section needs to be affixed to CMP.
- East-Side Runoff Control System
 - o Continue excavation of East Face Runoff Control Ditches.
 - o Initiate installation of TRM in East Face Runoff Control Ditches.
 - o Initiate to near completion, hydroseed east face (Photograph 2 and 3).
 - o Continue with the installation of erosion control straw wattles (Photograph 2 and 3).

Sample Collection and Construction Quality Control (CQC)/Construction Quality Assurance (CQA) Testing Performed:

- CQC surveying with GPS unit to verify chert and Dinwoody cover thicknesses continued as necessary.
- CQC cover thickness verification continued by excavating small test pits on east and west side ODA as needed east side ODA only.

Agency Oversight:

Not present during this reporting period.

Upcoming Activities in Order of Preferred Priority:

- Complete installation of the inflow to the 42-Inch culvert adjacent to the haul road including Panel A Runoff Ditch to culvert intake.
- Initiate construction of the East Runoff Ditch System adjacent to the haul road.
- Initiate construction of Downdrain from east top area to South-Central Sedimentation Basin.
- Complete construction of Outfall to the East EDS including installation of precast concrete cutoff walls.
- Complete construction of the Saddle Infiltration Basin including basin embankments and spillway.
- Complete Lower West-Side ODA chert and Dinwoody cover (west end of WS-R1-W and WS-R2-W) and final grading to promote drainage at West Toe Area.
- Initiate the construction of the top runoff control berm on the east side of the ODA crest and perform final grading of top area as necessary to promote drainage,
- Continue hauling chert, as needed, from Windy Gap and placement of the chert, as needed, over the initial blasting complex (approximately 7 acres) located on the west side of the ODA for subsequent spreading by dozers to complete the lower two feet of the ODA cover system to promote drainage of the area.
- Initiate and complete the South West-Side ODA cover system (WS-R2-BC), runoff ditch and South West-Side Sedimentation Basin with discharge ditch to the south culvert.
- Complete installation of riprap for drainage systems including infill of voids in large rock with smaller rock, grouted riprap where required, and initiate the construction of the rock buttresses required on the west side ODA slopes that are 2(h):1(v) or steeper.
- Complete construction of the Lower West Side Run-off Ditch outfall to West Sedimentation Basin and complete enlargement of West Sedimentation Basin.
- Complete hydoseeding on the ODA and initiate and complete the installation of erosion control wattles on east and west faces of the ODA.
- Initiate the construction of the Northwest Detention/Sedimentation Basin, Outlet and Spillway with outfall to existing Infiltration Basin.
- Complete Dinwoody borrow reclamation with topsoil and erosion controls including completion of the North Run-On Control Ditch with TRM lining.

Potential Project Issues:

Nothing new to report.

Follow-Up/Resolution of Previous Potential Issues: Nothing new to report.

Contractor Submittals:

None.





Photograph 1: Looking north towards Saddle Infiltration Basin and East Face of the ODA. Equipment in foreground is placing and compacting chert material for the Saddle Infiltration Basin north embankment.



Photograph 2: Looking east from the top of the East Side ODA at recently installed straw wattles and hydroseed/mulch on ODA cover surface.



Photograph 3: Looking southeast from the top of the East Side ODA towards the Saddle Infiltration Basin and recently installed straw wattles and hydroseed/mulch on ODA cover surface.

Figures

East Slope Panel Reference Layout

West Slope Panel Reference Layout





Smoky Canyon Mine Non-Time-Critical Removal Action (NTCRA) – 2015 Activities Pole Canyon Overburden Disposal Area

Weekly Construction Report

Report No. 31

Period of Activity: 10/19/2015 – 10/24/2015

Prepared by: Formation Environmental (on behalf of the J.R. Simplot Company)

Project Owner:

J.R. Simplot Company (Simplot)

Contractor(s) and Equipment:

Contractor, Kilroy LLC (Kilroy), worked 10 hrs per day Monday thru Friday and 8 hrs on Saturday. Kilroy is currently utilizing the following fleet of equipment:

Equipment Type	Quantity
CAT DK-5 Dozer	1
CAT D-6 Dozer	3
CAT D-8 Dozer	3
CAT D-10 Dozer	1
CAT 320 Excavator	1
John Deere 250 Excavator	1
John Deere 350 Excavator	1
John Deere 870 Excavator	1
Komatsu 400 Articulating Haul Truck	4
CAT 740B Articulating Haul Truck	6
CAT 160H Motor Grader	1
Lube Truck	1
CAT 966G Loader	1
CAT CP433E Pad-foot Roller Compactor	1
CAT 740K Water Truck (8,000 gal)	1
CAT MT765C Challenger	1
CASE 6200 Seed Drill	1

Personnel:

The following personnel were at the site during this time period:

- Simplot:
 - o Grant Williams, Dave Janiak
- Agency:
 - o Not present.
- Kilroy:
 - o Kit Long, Kevin Kilroy, Jeff Zelazoski plus 24 to 28 other personnel that include grade check, mechanics, equipment operators and laborers.
 - o Jorgensen Associates, P.C. (David Kemper, PLS) providing survey control.

- Triple HHH Landscaping (on call)
- Xcell Engineering, LC
 - o Paul Bastian
- Formation Environmental, Inc.
 - Jon Friedman
- Strata
 - Michael Hitchcock

Materials / Equipment Received:

• Grout for grouted riprap (13 ready-mix truck loads 10-22-15).

Weather Conditions:

Conditions during this reporting period varied from clear to slightly cloudy. Daytime temperatures ranged from the low-30s to the upper-60s (degrees Fahrenheit). Wind with occasional gusts up to 10 mph occurred sporadically throughout the week. Moderate to heavy early morning fog occurred sporadically throughout the week.

Description of Activities:

Construction work this reporting period included:

- South Central Sedimentation Basin
 - o Substantially complete except for inlet and outlet.
 - o Set pre-cast concrete cutoff wall at spillway.
 - o Place geofabric and riprap downstream of pre-cast concrete cutoff wall at spillway (Photograph 1).
 - o Set and grout in-place inlet riser pipe.
 - o Additional fill (chert) placement for south access road (Photograph 2).
 - o Place Dinwoody cover material just north of basin area onto southwest corner of R2.
- South-Central Runoff Ditch to Saddle Infiltration Basin
 - o Substantially complete with placement of geofabric and riprap.
 - Place and set pre-cast concrete cutoff walls at trapezoidal section to V-ditch transition and at the inlet to Energy Dissipation Structure (Photograph 3a and 3b).
 - o Grout riprap lined V-ditch chute to Energy Dissipation Structure.
- East Side Energy Dissipation Structure
 - o Place pre-cast cutoff wall at inlet to EDS.
 - o Place geofabric and riprap adjacent to cutoff wall (Photograph 4).
 - o Grout riprap.
- Saddle Infiltration Basin
 - o Place and compact fill material (chert from Windy Gap) for embankments (Photograph 5).
 - o Place geofabric and riprap for spillway outfall (Photograph 6).
 - o Place riprap for flow through sediment berm in basin (Photograph 7).
 - o Excavate trench and place pre-cast concrete cutoff wall and re-compact fill adjacent to wall. Place geofabric and riprap adjacent to wall.

- South East Run-off Chute/Ditch
 - Place and compact fill material (chert from Windy Gap) for ditch and adjacent access road.
 - o Initiate excavation of trapezoidal ditch from inlet to East Sedimentation Basin upstream to transition to V-ditch chute section.
 - o Initiate V-ditch chute section form bottom up towards saddle Infiltration Basin.
- East Sedimentation Basin
 - No activity; rough spillway requires completion; removal of sediment from basin needed.
- West Sedimentation Basin

No activity; Not Started.

• Northwest Detention/Sedimentation Basin

No activity; Not Started.

- Dinwoody Borrow Area
 - o General haul road grading maintenance as needed.
 - o Continue excavating and loading Dinwoody from north-central borrow area and hauling to WS-R2-BC.
 - o Continue with topsoil stockpile management and borrow reclamation.
 - o Timber slash reclamation remains.
 - Placement of TRM in North Run-on Control Ditch remains.
- East Side ODA Cover Construction
 - Placement of Dinwoody onto the lower third of panels ES-R2-N, ES-R2-M and ES-R2-S now complete.
 - O Continue construction of Upper, Middle and Lower East Face Runoff Ditch across ES-R1/2-N and ES-R1/2-M and ES-R1/2-S. TRM lining remains to be completed (Photograph 8a and 8b).
 - Placement of 2 feet of chert and 3 feet of Dinwoody remains to be completed over 6 acre area between mine haul road and new blast compound.
 - o Top area east and south of new blast compound remains to be graded to provide drainage per design to the down-drain on south west side of cover.
 - o A portion of the Down-drain/chute on south west side of cover was roughed-in (initial excavation).
 - o Top area runoff control berm remains to be constructed along east crest.
- West Side ODA Cover Construction
 - Lower west toe area above infiltration basin requires ODA cover for completion.
 - Riprap for rock buttresses (initial riprap hauled to locations; needs to be placed continuing on to completion).
 - Place chert previously stockpiled around former blast compound on to WS-R2-BC. Former blast compound still being used for riprap and pipe bedding/road wearing coarse stockpile area in addition to contractor heavy equipment staging area.

- 42-inch CMP Culvert Under Mine Haul Road (North End Culvert)
 - o No activity (culvert installed, needs fill around inlet structure and grouted riprap for drop inlet slope).
- West Side Run Off Control Ditch
 - o Riprap at 42-inch outfall for a distance of approximately 110 feet downstream was grouted in-place (Photograph 9a and 9b).
 - West EDS completed with riprap grouted in-place (Photograph 10).
 - 48-inch CMP culvert at access road crossing. Culvert inlet grouted.
 Outlet to be grouted and additional cover needs to be placed over culvert.
 - o Ditch outfall near west toe requires completion.
 - o Placement of 4-inch chert wearing surface to portions of access road/berms adjacent to west runoff system is substantially complete.
- 36-inch CMP Culvert Under Mine Haul Road (South End Culvert)
 - o No activity; Needs Completion of Inlet. West Side Runoff Control Ditch to South needs to be constructed and tied into culvert intake.
- West Side Runoff Control Ditch to South
 - o No activity. Entire former blast compound area needs ODA cover in order to construct ditch to south.

Sample Collection and Construction Quality Control (CQC)/Construction Quality Assurance (CQA) Testing Performed:

- CQC surveying with GPS unit to verify chert and Dinwoody cover thicknesses continued as necessary.
- CQC density testing of embankment fill material placed for Saddle Infiltration Basin and East Face Run-off Control Ditch embankments. Testing performed by Xcell.
- CQC of grout being used for riprap included sampling for compressive strength testing. Sampling and testing performed by Jorgensen.
- CQA density testing of embankment fill material placed for Saddle Infiltration Basin embankments. Testing performed by Strata.

Agency Oversight:

Not present during this reporting period.

Upcoming Activities in Order of Preferred Priority:

- Complete installation of the inflow to the 42-Inch culvert adjacent to the haul road including Panel A Runoff Ditch to culvert intake.
- Initiate construction of the East Runoff Ditch System adjacent to the haul road.
- Complete construction of Downdrain from east top area to South-Central Sedimentation Basin.

- Complete construction of Outfall to the East EDS including installation of precast concrete cutoff walls. Although substantially complete, entire system needs to be connected.
- Complete construction of the Saddle Infiltration Basin including basin embankments and spillway. Although substantially complete embankments and surrounding area needs to be final graded.
- Initiate the construction of the top runoff control berm on the east side of the ODA crest and perform final grading of top area as necessary to promote drainage.
- Complete Lower West-Side ODA chert and Dinwoody cover (west end of WS-R1-W and WS-R2-W) and final grading to promote drainage at West Toe Area.
- Continue hauling chert, as needed, from Windy Gap and placement of the chert, as needed, over the initial blasting compound (approximately 7 acres) located on the west side of the ODA for subsequent spreading by dozers to complete the lower two feet of the ODA cover system to promote drainage of the area.
- Continue with ODA cover system over the initial blast compound with placement of Dinwoody material over chert layer.
- Initiate and complete the South West-Side ODA cover system (WS-R2-BC), runoff ditch and South West-Side Sedimentation Basin with discharge ditch to the south culvert.
- Complete installation of riprap for drainage systems including infill of voids in large rock with smaller rock, grouted riprap where required, and initiate the construction of the rock buttresses required on the west side ODA slopes that are 2(h):1(v) or steeper.
- Complete construction of the Lower West Side Run-off Ditch outfall to West Sedimentation Basin and complete enlargement of West Sedimentation Basin.
- Complete hydoseeding on the ODA as needed and complete the installation of erosion control wattles on east and west faces of the ODA.
- Initiate the construction of the Northwest Detention/Sedimentation Basin, Outlet and Spillway with outfall to existing Infiltration Basin.
- Complete Dinwoody borrow reclamation with topsoil and erosion controls including completion of the North Run-On Control Ditch with TRM lining.

Potential Project Issues:

Schedule of items to be completed by the end of end of November is very aggressive. Contractor is now working 6 days a week in effort to complete project in entirety by end of November deadline.

Follow-Up/Resolution of Previous Potential Issues:

Nothing new to report.

Contractor Submittals:

Grout mixture including cement:water ratio and grain size distribution for aggregate.





Photograph 1: Looking south at concrete cutoff wall installed in embankment spillway outflow of South Central Sedimentation Basin with riprap in-place on downstream side of wall. Note corrugated 12-inch dia. HDPE low flow outlet pipe on upstream side requiring 90 degree elbow riser and grated inlet cover to be installed.



Photograph 2: Looking south towards South Central Sedimentation Basin as chert material is being placed for the south access road from mine haul road. Erosion control straw wattles being installed on south face of east side ODA following hydroseeding.



Photograph 3a: Looking north as pre-cast concrete cutoff wall is being placed in excavation at transition of the South Central Runoff Control Ditch transition from trapezoidal section to V-ditch section at chute.



Photograph 3b: Looking southwest and upstream as pre-cast concrete cutoff wall is being placed in excavation at transition of the South Central Runoff Control Ditch transition from trapezoidal section to V-ditch section at chute.



Photograph 4: Looking west at the East Side EDS intake. Riprap placed in South Central Runoff Control Chute and EDS Basin. Geofabric in-place downstream of concrete cutoff wall awaiting placement of riprap following the completion of the cutoff wall installation.



Photograph 5: Looking northwest towards Saddle Infiltration Basin (foreground) and East Face of the East Side ODA. Chert fill material being placed and compacted for the basin embankments. Note completed hydroseeding and straw wattle installation on ODA final slopes.



Photograph 6: Looking west as excavator is placing riprap on geofabric placed for the overflow spillway on the outer south embankment slope of the Saddle Infiltration Basin



Photograph 7: Looking northeast as excavator is placing riprap for interior flow through sedimentation berm in Saddle Infiltration Basin.



Photograph 8a: TRM lining being placed interior and exterior embankment slopes of Upper East Face Runoff Control Ditch.



Photograph 8b: Looking north at lower East Face ODA. Middle and Lower East Face Runoff Control Ditches have been excavated with TRM lining remaining to be installed.



Photograph 9a: Looking west as riprap at 42-inch dia. culvert outlet is being grouted in-place.



Photograph 9b: Looking north as riprap lined West Side Runoff Control Ditch immediately downstream of 42-inch dia. CMP culvert is being grouted in-place with use of pump truck and tremie tube.



Photograph 10: Looking west as riprap lined West Side EDS is being grouted in-place with use of pump truck and tremie tube.

Figures

East Slope Panel Reference Layout

West Slope Panel Reference Layout





Smoky Canyon Mine Non-Time-Critical Removal Action (NTCRA) – 2015 Activities Pole Canyon Overburden Disposal Area

Weekly Construction Report

Report No. 32

Period of Activity: 10/26/2015 – 10/31/2015

Prepared by: Formation Environmental (on behalf of the J.R. Simplot Company)

Project Owner:

J.R. Simplot Company (Simplot)

Contractor(s) and Equipment:

Contractor, Kilroy LLC (Kilroy), worked 10 hrs per day Monday thru Friday and 8 hrs on Saturday. Kilroy is currently utilizing the following fleet of equipment:

Equipment Type	Quantity
CAT DK-5 Dozer	1
CAT D-6 Dozer	3
CAT D-8 Dozer	3
CAT D-10 Dozer	1
CAT 320 Excavator	1
John Deere 250 Excavator	1
John Deere 350 Excavator	1
John Deere 870 Excavator	1
Komatsu 400 Articulating Haul Truck	4
CAT 740B Articulating Haul Truck	6
CAT 160H Motor Grader	1
Lube Truck	1
CAT 966G Loader	1
CAT CS54 Smooth Drum Roller Compactor	1
CAT 740K Water Truck (8,000 gal)	1
CAT MT765C Challenger	1
CASE 6200 Seed Drill	1

Personnel:

The following personnel were at the site during this time period:

- Simplot:
 - o Grant Williams, Dave Janiak, Monty Johnson (October 27, 2015)
- Agency:
 - o Mary Kauffman USFS (October 27, 2015).
- Kilroy:
 - o Kit Long, Kevin Kilroy, Jeff Zelazoski plus 24 to 28 other personnel that include grade check, mechanics, equipment operators and laborers.
 - o Jorgensen Associates, P.C. (David Kemper, PLS) providing survey control.

- Triple H Landscaping (on call)
- Xcell Engineering, LC
 - o Not Present
- Formation Environmental, Inc.
 - o Jon Friedman, Brian Hansen (October 27,2015)
- Strata
 - Not Present

Materials / Equipment Received:

Road base material for access roads.

Weather Conditions:

Conditions during this reporting period varied from clear to cloudy with snow and rain. Daytime temperatures ranged from the mid-teens to the lower-50s (degrees Fahrenheit). Wind with occasional gusts up to 10 mph occurred sporadically throughout the week. Moderate early morning fog occurred occasionally throughout the week.

Description of Activities:

Construction work this reporting period included:

- South Central Sedimentation Basin
 - o Substantially complete except for inlet and outlet.
 - o Set and grout in-place inlet riser pipe (Photograph 1a and 1b).
- South-Central Runoff Ditch to Saddle Infiltration Basin
 - o Substantially complete.
- East Side Energy Dissipation Structure
 - o Substantially complete. Small amount of riprap needs to be grouted.
- Saddle Infiltration Basin
 - Substantially complete. Wearing course material needs to be placed on access road / embankment crest for final completion.
- South East Run-off Chute/Ditch
 - o Place and compact fill material (chert from Windy Gap and small boulders) for access road adjacent to ditch.
 - Complete excavation of trapezoidal ditch and line with TRM from inlet of East Sedimentation Basin upstream to transition to V-ditch chute section (Photograph 2a).
 - o Complete placement of riprap in V-ditch chute section (Photograph 2b).
- East Sedimentation Basin
 - Spillway completed with the placement of pre-cast concrete cutoff wall and the placement of geofabric and riprap downstream of wall (Photograph 3).
 - o Removal of sediment from basin needed (Photograph 4).
- East Side Haul Road Ditch
 - o Layout with survey stakes south end of ditch just north and south of top east side down drain.

• West Sedimentation Basin

No activity; Not Started.

Northwest Detention/Sedimentation Basin

No activity; Not Started.

- Dinwoody Borrow Area
 - o General haul road grading maintenance as needed.
 - o Relocate topsoil stockpile to expose Dinwoody material needed for project completion (Photograph 5).
 - Resume excavating and loading Dinwoody from east-central borrow area and hauling to WS-R2-BC.
 - o Continue with topsoil stockpile management and borrow reclamation.
 - o Timber slash reclamation remains.
 - o Placement of TRM in North Run-on Control Ditch remains.
- East Side ODA Cover Construction
 - o Continue lining Upper, Middle and Lower East Face Runoff Ditch across ES-R1/2-N and ES-R1/2-M and ES-R1/2-S with TRM.
 - Resume installation of straw wattles for erosion control on east face (Photograph 6).
 - Placement of 2 feet of chert and 3 feet of Dinwoody remains to be completed over 6 acre area between mine haul road and new blast compound.
 - o Top area east and south of new blast compound remains to be graded to provide drainage per design to the down-drain on south west side of cover.
 - o Need to complete the Down-drain/chute on south west side of cover and tie into South Central Sedimentation Basin.
 - o Top area runoff control berm remains to be constructed along east crest.
- West Side ODA Cover Construction
 - Lower west toe area above infiltration basin requires ODA cover for completion.
 - o Initiate the installation of erosion control straw wattles.
 - o Riprap for rock buttresses (initial riprap hauled to locations; needs to be placed continuing on to completion).
 - Place chert previously stockpiled around former blast compound on to WS-R2-BC. Former blast compound still being used for riprap and pipe bedding/road wearing coarse stockpile area in addition to contractor heavy equipment staging area.
- 42-inch CMP Culvert Under Mine Haul Road (North End Culvert)
 - o No activity (culvert installed, needs fill around inlet structure and grouted riprap for drop inlet slope).
- West Side Run Off Control Ditch
 - o 48-inch CMP culvert outlet at access road crossing needs to be grouted and additional cover needs to be placed over culvert.
 - o Ditch outfall into West Sedimentation Basin near west toe requires completion.
 - o Placement of 4-inch chert wearing surface to portions of access road/berms adjacent to west runoff system is substantially complete.

- 36-inch CMP Culvert Under Mine Haul Road (South End Culvert)
 - o No activity; Needs Completion of Inlet. West Side Runoff Control Ditch to South needs to be constructed and tied into culvert intake.
- West Side Runoff Control Ditch to South
 - o Initiate chert placement over former blast compound area (Photograph 7).
 - o Initiate fill placement for West Side South Sedimentation Basin embankments using chert material.

Sample Collection and Construction Quality Control (CQC)/Construction Quality Assurance (CQA) Testing Performed:

• CQC surveying with GPS unit to verify chert and Dinwoody cover thicknesses continued as necessary.

Agency Oversight:

USFS representative Mary Kauffman present October 27 for Pre-Final Inspection.

Upcoming Activities in Order of Preferred Priority:

- Complete installation of the inflow to the 42-Inch culvert adjacent to the haul road including Panel A Runoff Ditch to culvert intake.
- Initiate construction of the East Runoff Ditch System adjacent to the haul road.
- Complete construction of Downdrain from east top area to South-Central Sedimentation Basin.
- Complete construction of Outfall to the East EDS including installation of precast concrete cutoff walls. Although substantially complete, entire system needs to be connected.
- Complete construction of the Saddle Infiltration Basin. Although substantially complete embankments and surrounding area needs to be final graded and TRM lining placed on embankment slopes.
- Initiate the construction of the top runoff control berm on the east side of the ODA crest and perform final grading of top area as necessary to promote drainage.
- Complete Lower West-Side ODA chert and Dinwoody cover (west end of WS-R1-W and WS-R2-W) and final grading to promote drainage at West Toe Area.
- Continue hauling chert, as needed, from Windy Gap and placement of the chert, as needed, over the initial blast compound (approximately 7 acres) located on the west side of the ODA for subsequent spreading by dozers to complete the lower two feet of the ODA cover system to promote drainage of the area.
- Continue with ODA cover system over the initial blast compound with placement of Dinwoody material over chert layer.
- Initiate and complete the South West-Side ODA cover system (WS-R2-BC), runoff ditch and South West-Side Sedimentation Basin with discharge ditch to the south culvert.

- Continue hauling chert, as needed, from Windy Gap and placement of the chert, as needed, over the 6 acre area between the mine haul road and the new blast compound (approximately 6 acres) located on the east side of the ODA for subsequent spreading by dozers to complete the lower two feet of the ODA cover system to promote drainage of the area.
- Continue with ODA cover system over the 6 acre area between the mine haul road and the new blast compound with placement of Dinwoody material over the chert layer.
- Complete installation of riprap for drainage systems including infill of voids in large rock with smaller rock, grouted riprap where required.
- Continue with the construction of the rock buttresses required on the west side ODA slopes that are 2(h):1(v) or steeper.
- Complete construction of the Lower West Side Run-off Ditch outfall to West Sedimentation Basin and complete enlargement of West Sedimentation Basin.
- Complete hydoseeding on the ODA as needed and complete the installation of erosion control wattles on east and west faces of the ODA.
- Initiate the construction of the Northwest Detention/Sedimentation Basin, Outlet and Spillway with outfall to existing Infiltration Basin.
- Complete Dinwoody borrow reclamation with topsoil and erosion controls including completion of the North Run-On Control Ditch with TRM lining.

Potential Project Issues:

Schedule of items to be completed by the end of end of November is very aggressive. Contractor is now working 6 days a week in effort to complete project in entirety by end of November deadline.

Follow-Up/Resolution of Previous Potential Issues:

Nothing new to report.

Contractor Submittals:





Photograph 1a: Looking south at the South Central Sedimentation Basin low level outflow intake riser grouted in-place.



Photograph 1b: Looking down at South Central Sedimentation Basin low level outflow intake with grated cover.



Photograph 2a: Looking southwest at lower east end of Southeast Runoff Control Chute to Ditch transition. Transition is from geofabric and riprap lined V-ditch to TRM lined trapezoidal ditch. Note erosion control wattles and hydroseed/mulch on east face slope of ODA cover.



Photograph 2b: Looking south at the upper end of Southeast Runoff Control Chute/Ditch as riprap is being placed in geofabric lined V-ditch section. Saddle Infiltration Basin is in the upper right of photograph. Note erosion control wattles and hydroseed/mulch on east slope of ODA cover.



Photograph 3: Looking north across East Sedimentation Basin Spillway with pre-cast cutoff wall, geofabric and riprap in-place.



Photograph 4: Looking west from East Sedimentation Basin east embankment at spillway towards basin inlet of Southeast Runoff Control Ditch. Note sediment in basin on both sides of flow through rock sediment catchment berm.



Photograph 5: Looking south along east boundary limits of Dinwoody borrow area as equipment is relocating topsoil stock pile and slash in efforts to access additional Dinwoody material.



Photograph 6: Looking northeast at east face of the ODA as workers install erosion control straw wattles.



Photograph 7: Looking southwest toward the former blast area complex laydown yard (WS-R2-BC) as equipment loads, hauls, spreads and compacts chert cover material.

Figures

East Slope Panel Reference Layout

West Slope Panel Reference Layout





Smoky Canyon Mine Non-Time-Critical Removal Action (NTCRA) – 2015 Activities Pole Canyon Overburden Disposal Area

Weekly Construction Report

Report No. 33

Period of Activity: 11/2/2015 – 11/7/2015

Prepared by: Formation Environmental (on behalf of the J.R. Simplot Company)

Project Owner:

J.R. Simplot Company (Simplot)

Contractor(s) and Equipment:

Contractor, Kilroy LLC (Kilroy), worked 10 hrs per day Monday thru Friday and 8 hrs on Saturday. Kilroy is currently utilizing the following fleet of equipment:

Equipment Type	Quantity
CAT DK-5 Dozer	1
CAT D-6 Dozer	3
CAT D-8 Dozer	3
CAT D-10 Dozer	1
CAT 320 Excavator	1
John Deere 250 Excavator	1
John Deere 350 Excavator	1
John Deere 870 Excavator	1
Komatsu 400 Articulating Haul Truck	4
CAT 740B Articulating Haul Truck	6
CAT 160H Motor Grader	1
Lube Truck	1
CAT 966G Loader	1
CAT CS54 Smooth Drum Roller Compactor	1
CAT 740K Water Truck (8,000 gal)	1
CAT MT765C Challenger	1
CASE 6200 Seed Drill	1

Personnel:

The following personnel were at the site during this time period:

- Simplot:
 - o Grant Williams, Dave Janiak
- Agency:
 - o Not present.
- Kilroy:
 - o Kit Long, Kevin Kilroy, Jeff Zelazoski plus 24 to 26 other personnel that include grade check, mechanics, equipment operators and laborers.
 - o Jorgensen Associates, P.C. (David Kemper, PLS) providing survey control.

- Triple H Landscaping (on call as needed and as weather permits)
- Xcell Engineering, LC
 - Not Present
- Formation Environmental, Inc.
 - o Jon Friedman, Fred Charles (November 4, 5, 2015)
- Strata
 - Not Present

Materials / Equipment Received:

- Road base material for access roads.
- 110 cubic yards (11 redi-mix truck loads) of grout on November 5, 2015.

Weather Conditions:

Conditions during this reporting period varied from clear to cloudy with snow and rain. Daytime temperatures ranged from the mid-teens to the lower-50s (degrees Fahrenheit). Wind with occasional gusts up to 10 mph occurred sporadically throughout the week. Moderate early morning fog occurred occasionally throughout the week.

Description of Activities:

Construction work this reporting period included:

- South Central Sedimentation Basin
 - o Substantially complete except for inlet and outlet.
 - Continue with the placement of geofabric and riprap for inflow for Upper East Side Chute.
- South-Central Runoff Ditch to Saddle Infiltration Basin
 - o Substantially complete.
- East Side Energy Dissipation Structure
 - o Substantially complete.
 - o Small amount of riprap on upper east was grouted.
- Saddle Infiltration Basin
 - o Substantially complete.
 - o Wearing course material needs to be placed on access road / embankment crest for final completion.
 - o TRM needs to be placed on interior basin side-slopes.
- South East Run-off Chute/Ditch
 - o Substantially complete.
- East Sedimentation Basin
 - o Removal of sediment from basin needed to enhance infiltration and effectiveness of interior flow through sediment berm.
- East Side Haul Road Ditch
 - o Layout with survey stakes south end of ditch just north and south of top east side down drain.
 - o No activity. Not started.

- East Side Armored Down Drain
 - o Excavate V-Ditch
 - o Place geofabric and riprap.
 - o Tie into Upper East Side Chute.
- Upper East Side Chute
 - o Excavate V-Ditch.
 - o Place geofabric and riprap.
 - o Grout riprap (Photograph 1a, 1b and 1c).
- West Sedimentation Basin

No activity; Not Started.

• Northwest Detention/Sedimentation Basin

No activity; Not Started.

- Dinwoody Borrow Area
 - o General haul road grading maintenance as needed.
 - o Continue excavating and loading Dinwoody from east-central borrow area and hauling to WS-R2-BC.
 - o Continue with topsoil stockpile management and borrow reclamation with hydroseed (Photograph 2).
 - o Timber slash reclamation remains.
 - Placement of TRM in North Run-on Control Ditch remains.
- East Side ODA Cover Construction
 - A total of 20 test pits were excavated across the 6 acre area between mine haul road and new blast compound to determine if adequate cover was present (Photograph 3). Based on what was encountered in the test pits, only the former run-a-way truck ramp, east side ditch alignment and a small area immediately west of the current access road need additional Dinwoody material (See attached figure).
 - o Top area east and south of new blast compound remains to be graded to provide drainage per design to the down-drain on south west side of cover.
 - o Top area runoff control berm remains to be constructed along east crest.
- West Side ODA Cover Construction
 - Lower west toe area above infiltration basin requires ODA cover for completion.
 - o Initiate the installation of erosion control straw wattles.
 - o Placement of riprap for rock buttress initiated (Photograph 4).
 - o Contractor's equipment relocated to east side ODA.
 - Mine initiated and completed haul of chert and Dinwoody material from F2 pit to assist with ODA cover construction for WS-RS-BC area (Photograph 5).
- 42-inch CMP Culvert Under Mine Haul Road (North End Culvert)
 - o No activity.
 - o Culvert installed, needs fill around inlet structure and grouted riprap for drop inlet slope.
- West Side Run Off Control Ditch
 - o 48-inch CMP culvert outlet at access road crossing needs to be grouted and additional cover needs to be placed over culvert.

- o Ditch outfall into West Sedimentation Basin near west toe requires completion.
- Placement of 4-inch chert wearing surface to portions of access road/berms adjacent to west runoff system is substantially complete.
- 36-inch CMP Culvert Under Mine Haul Road (South End Culvert)
 - o No activity; Inlet needs to be constructed for completion.
 - West Side Runoff Control Ditch to South needs to be constructed and tied into culvert intake.
- West Side Runoff Control Ditch to South
 - o Continue chert placement over former blast compound area.
- West Side South Sedimentation Basin
 - o Continue construction of embankments using chert for inner core material and 2 feet of Dinwoody material for outer shells (Photograph 6).

Sample Collection and Construction Quality Control (CQC)/Construction Quality Assurance (CQA) Testing Performed:

• CQC surveying with GPS unit to verify chert and Dinwoody cover thicknesses continued as necessary.

Agency Oversight:

Not present.

Upcoming Activities in Order of Preferred Priority:

- Complete installation of the inflow to the 42-Inch culvert adjacent to the haul road including Panel A Runoff Ditch to culvert intake.
- Initiate construction of the East Runoff Ditch System adjacent to the haul road.
- Complete construction of Downdrain from east top area to South-Central Sedimentation Basin.
- Outfall to the East EDS including installation of pre-cast concrete cutoff walls substantially complete.
- Complete construction of the Saddle Infiltration Basin. Although substantially complete embankments and surrounding area needs to be final graded and TRM lining placed on embankment slopes.
- Initiate the construction of the top runoff control berm on the east side of the ODA crest and perform final grading of top area as necessary to promote drainage.
- Complete Lower West-Side ODA chert and Dinwoody cover (west end of WS-R1-W and WS-R2-W) and final grading to promote drainage at West Toe Area.
- ODA cover over the initial blast compound (approximately 7 acres) located on the west side of the ODA is substantially complete. Final grading and run-off control ditches, sedimentation basin and hydroseeding need to be completed.

- Initiate and complete the South West-Side ODA cover system (WS-R2-BC), runoff ditch and South West-Side Sedimentation Basin with discharge ditch to the south culvert.
- Continue with ODA cover system over the 6 acre area between the mine haul road and the new blast compound with placement of Dinwoody material over the chert layer in areas identified on attached figure.
- Complete installation of riprap for drainage systems including infill of voids in large rock with smaller rock, grouted riprap where required.
- Continue with the construction of the rock buttresses required on the west side ODA slopes that are 2(h):1(v) or steeper.
- Complete construction of the Lower West Side Run-off Ditch outfall to West Sedimentation Basin and complete enlargement of West Sedimentation Basin.
- Complete hydoseeding on the ODA as needed and complete the installation of erosion control wattles on west side of the ODA. East side ODA wattle installation is substantially complete.
- Initiate the construction of the Northwest Detention/Sedimentation Basin, Outlet and Spillway with outfall to existing Infiltration Basin.
- Complete Dinwoody borrow reclamation with topsoil and erosion controls including completion of the North Run-On Control Ditch with TRM lining and wattle installation.

Potential Project Issues:

Schedule of items to be completed by the end of end of November is aggressive. Contractor is now working 6 days a week in effort to complete project by end of November.

Follow-Up/Resolution of Previous Potential Issues:

Nothing new to report.

Contractor Submittals:

None.





Photograph 1a: Looking south towards the South Central Sedimentation Basin and Upper East Side Runoff Chute as excavator is places riprap onto geofabric lining chute. Note erosion control wattles in place and hydroseeded areas.



Photograph 1b: Looking south towards South Central Sedimentation Basin as excavator places riprap in geofabric lined Upper East Side Runoff Chute.



Photograph 1c: Looking southwest as grout is being pumped into the lower end of geofabric and riprap lined Upper East Side Runoff Chute. Insulated blankets were placed over all grouted riprap.



Photograph 2: Looking west as hydroseed machine applies seed, mulch and fertilizer to a portion of the Dinwoody Borrow regraded surface.



Photograph 3: Looking at one of the 20 test pits excavated to determine the existing cover thickness over the 6 acre area between the mine haul road and the new blast complex. This test pit indicates approximately 3.5 feet of Dinwoody material is present.



Photograph 4: Looking northwest at the West Side ODA west slope and the initial placement of boulders for the rock buttress required on a portion of the slope that is less that 2.5(h):1(v). Note the white object sticking up above the ground surface which is borehole permeameter test setup for Cover Unit 12.



Photograph 5: Looking southwest at former blast complex area (WS-R2-BC) as chert is being hauled and placed. Both chert and Dinwoody material were hauled from F2 pit with mine haul trucks.



Photograph 6: Looking northeast across former blast complex area (WS-R2-BC) as chert is being hauled and placed. Both chert and Dinwoody material were hauled from F2 pit with mine haul trucks. Note rough grade and preliminary layout for West Side South Sedimentation Basin in right of photograph.

Figures

East Slope Panel Reference Layout

West Slope Panel Reference Layout

Six Acre Area between Mine Haul Road and New Blast Compound (areas requiring additional Dinwoody cover material)







Smoky Canyon Mine Non-Time-Critical Removal Action (NTCRA) – 2015 Activities Pole Canyon Overburden Disposal Area

Weekly Construction Report

Report No. 34

Period of Activity: 11/9/2015 – 11/14/2015

Prepared by: Formation Environmental (on behalf of the J.R. Simplot Company)

Project Owner:

J.R. Simplot Company (Simplot)

Contractor(s) and Equipment:

Contractor, Kilroy LLC (Kilroy), worked 10 hrs per day Monday thru Friday and 8 hrs on Saturday. Kilroy is currently utilizing the following fleet of equipment:

Equipment Type	Quantity
CAT DK-5 Dozer	1
CAT D-6 Dozer	3
CAT D-8 Dozer	3
CAT D-10 Dozer	1
CAT 320 Excavator	1
John Deere 250 Excavator	1
John Deere 350 Excavator	1
John Deere 870 Excavator	1
Komatsu 400 Articulating Haul Truck	2
CAT 740B Articulating Haul Truck	4
CAT 160H Motor Grader	1
Lube Truck	1
CAT 966G Loader	1
CAT CS54 Smooth Drum Roller Compactor	1
CAT 740K Water Truck (8,000 gal)	1
CAT MT765C Challenger	1
CASE 6200 Seed Drill	1

Personnel:

The following personnel were at the site during this time period:

- Simplot:
 - o Grant Williams
- Agency:
 - Not present.
- Kilroy:
 - o Kit Long, Kevin Kilroy, Jeff Zelazoski plus 24 to 26 other personnel that include grade check, mechanics, equipment operators and laborers.
 - o Jorgensen Associates, P.C. (David Kemper, PLS) providing survey control.

- Triple HHH Landscaping (on call as needed and as weather permitted)
- Xcell Engineering, LC
 - Not Present
- Formation Environmental, Inc.
 - o Jon Friedman
- Strata
 - o Scott Meyers (November 11, 14, 2015);
 - o Michael Hitchcock (November 13, 2015)

Materials / Equipment Received:

- Road base material for access roads.
- 20 cubic yards (2 ready-mix truck loads) of cement on November 13, 2015.
- 10 cubic yards of grout on November 14, 2015.

Weather Conditions:

Conditions during this reporting period varied from clear to cloudy with snow. Daytime temperatures ranged from the mid-teens to the lower-40s (degrees Fahrenheit). Wind with occasional gusts up to 15 mph occurred daily throughout the week.

Description of Activities:

Construction work this reporting period included:

- South Central Sedimentation Basin
 - Substantially complete.
 - o Complete placement of riprap adjacent to outlet cutoff wall.
 - Complete placement of geofabric and riprap for inflow from Upper East Side Chute to concrete swale (Photograph 1a).
 - Place concrete for Upper East Side Chute concrete swale across South Access Road (Photograph 1b).
- South-Central Runoff Ditch to Saddle Infiltration Basin
 - o Substantially complete.
- East Side Energy Dissipation Structure
 - o Substantially complete.
- Saddle Infiltration Basin
 - o Substantially complete.
 - Wearing course material needs to be placed on access road / embankment crest for final completion.
 - o TRM needs to be placed on interior basin side-slopes.
- South East Run-off Chute/Ditch
 - Substantially complete.
- East Sedimentation Basin
 - o Removal of sediment from basin needed to enhance infiltration and effectiveness of interior flow through sediment berm.
- East Side Haul Road Ditch
 - o Initiate excavation and placement of TRM upstream and downstream of East-Side Armored Down Drain Chute junction (Photograph 2a and 2b).

- East Side Armored Down Drain
 - o Substantially complete.
 - o Install pre-cast concrete cutoff wall at intake to down drain (Photograph 3)
 - o Grout outfall to East Side Haul Road Ditch.
- Upper East Side Chute
 - o Substantially complete.
- West Sedimentation Basin
 - o No activity.
- Northwest Detention/Sedimentation Basin
 - Access road constructed to basin and embankment area.
- Dinwoody Borrow Area
 - Begin reclamation of north access road by grading and blending road surface and surrounding terrain (WS-R2 and WS-R2-M).
 - o Complete hauling Dinwoody from east-central borrow area to WS-R2-BC.
 - Placement of straw wattles remains.
 - o Timber slash reclamation remains.
 - o Placement of TRM in North Run-on Control Ditch remains.
- East Side ODA Cover Construction
 - Top area east and south of new blast compound remains to be graded to provide drainage per design to the down-drain on south west side of cover.
 - o Initiate and complete area runoff control berm along east crest.
- West Side ODA Cover Construction
 - Lower west toe area above infiltration basin requires ODA cover for completion.
 - o Installation of erosion control straw wattles substantially complete.
 - o Placement of riprap for rock buttress; No activity.
 - Continue to haul Dinwoody material from D Panel Borrow for ODA cover construction for WS-R2-BC area (Photograph 4).
- 42-inch CMP Culvert Under Mine Haul Road (North End Culvert)
 - o Initiate and complete placement of geofabric, riprap and grout at culvert drop inlet (Photograph 5a).
 - o Initiate and complete excavation and placement of geofabric and riprap for Panel A Ditch upstream of 42-inch culvert intake (Photograph 5b).
- West Side Run Off Control Ditch
 - o 48-inch CMP culvert outlet at access road crossing needs to be grouted and additional cover needs to be placed over culvert.
 - o Ditch outfall into West Sedimentation Basin near west toe requires completion.
 - Placement of 4-inch chert wearing surface to portions of access road/berms adjacent to west runoff system is substantially complete.
- 36-inch CMP Culvert Under Mine Haul Road (South End Culvert)
 - o No activity; Inlet needs to be constructed for completion.
 - West Side Runoff Control Ditch to South needs to be constructed and tied into culvert intake.

- West Side Runoff Control Ditch to South
 - o Continue and complete chert placement over former blast compound area.
 - o Initiate and complete placement of Dinwoody material.
 - o Initiate ditch excavation.
- West Side South Sedimentation Basin
 - o Continue construction of embankments using chert for inner core material and subsequently 2 feet of Dinwoody material for outer shells.
 - o Chert material placed for subgrade.
 - o Rough grade basin and surrounding area (Photograph 6).
 - Excavate test pits to confirm cover layer thickness.

Sample Collection and Construction Quality Control (CQC)/Construction Quality Assurance (CQA) Testing Performed:

- CQC surveying with GPS unit to verify chert and Dinwoody cover thicknesses continued as necessary.
- CQC excavation of test pits to confirm ODA cover layer thickness WS-R2 (Photograph 4).
- CQA testing of compacted fill placed for the West-Side South Sedimentation Basin embankments.
- CQA testing of concrete placed for the swale across East Side South Access Road at East Side Chute to South Central Sedimentation Basin (Photograph 6).

Agency Oversight:

Not present.

Upcoming Activities in Order of Preferred Priority:

- Continue to completion construction of the East Runoff Ditch System adjacent to the haul road.
- Complete construction of the Saddle Infiltration Basin. Although substantially complete embankments and surrounding area needs to be final graded and TRM lining placed on embankment slopes and wearing course needed for access road.
- The construction of the top runoff control berm on the east side of the ODA crest commenced and is nearly complete. Final grading of top area as necessary to promote drainage is outstanding.
- Complete Lower West-Side ODA chert and Dinwoody cover (west end of WS-R1-W and WS-R2-W) and final grading to promote drainage at West Toe Area.
- ODA cover over the initial blast compound (approximately 7 acres) located on the west side of the ODA is substantially complete. Final grading and run-on and run-off control ditches, sedimentation basin and hydroseeding need to continue to completion.
- Initiate and complete the South West-Side ODA cover system (WS-R2-BC), runoff ditch and South West-Side Sedimentation Basin with discharge ditch to the south culvert.

- Continue with the construction of the rock buttresses required on the west side ODA slopes that are 2(h):1(v) or steeper.
- Complete construction of the Lower West Side Run-off Ditch outfall to West Sedimentation Basin and complete enlargement of West Sedimentation Basin.
- Complete hydoseeding on the ODA as needed. The installation of erosion control wattles on east and west side of the ODA is substantially complete.
- Initiate the construction of the Northwest Detention/Sedimentation Basin, Outlet and Spillway with outfall to existing Infiltration Basin.
- Complete Dinwoody borrow reclamation with topsoil and erosion controls including completion of the North Run-On Control Ditch with TRM lining and wattle installation.

Potential Project Issues:

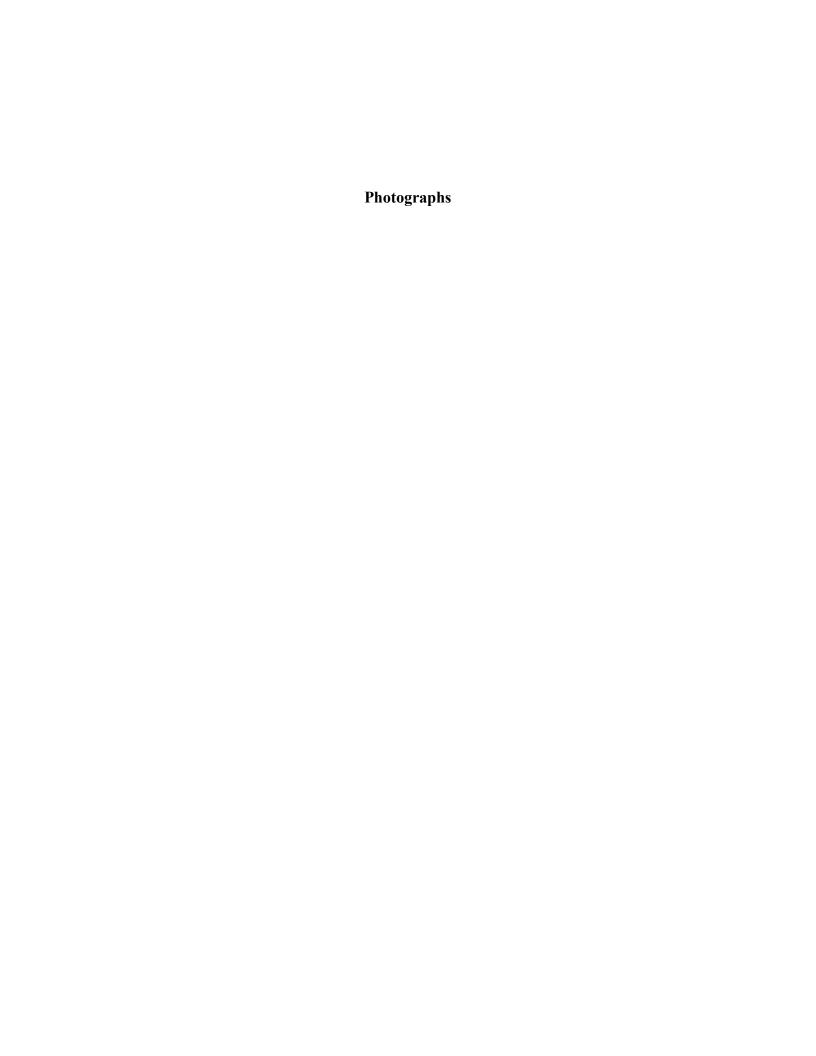
Schedule of items to be completed by the end of end of November is very aggressive although great strides in progress are being made every day. Contractor is continuing to work 6 days a week in effort to complete project in entirety by end of November deadline.

Follow-Up/Resolution of Previous Potential Issues:

Nothing new to report.

Contractor Submittals:

None.





Photograph 1a: Looking north from South Central Sedimentation Basin at the Upper East Side Chute, Concrete Swale at Access Road Crossing and Cute Outfall into sedimentation basin. Geofabric placed underneath all riprap and rip rap upstream and downstream of access road crossing has been grouted.



Photograph 1b: Looking north along Upper East Side Chute and Concrete Swale at Access Road Crossing as ready-mix concrete is being placed for drainage swale. Swale will provide access to lower east side during dry and low flow conditions.



Photograph 2a: Looking southeast along East Side Haul Road Runoff Control Ditch immediately upstream of junction with Top Area Armored Downdrain following installation of TRM lining.



Photograph 2b: Looking southeast along East Side Haul Road Runoff Control Ditch downstream of junction with Top Area Armored Downdrain as workers install TRM lining.



Photograph 3: Looking southeast at precast concrete cutoff wall immediately after installation at the inflow to the East Side Armored Down-drain.



Photograph 4: Looking south towards the south end of the former blast compound as cher and Dinwoody cover material are being hauled, dumped, spread and compacted. Excavator in background is excavating test pits to confirm/check cover layer thickness. Upper surface has been hydroseeded (area in green).



Photograph 5a: Looking northwest at the 42-inch dia. (North) Culvert Intake Structure and lined sloping inlet as excavator places riprap on geofabric.



Photograph 5b: Looking south along Panel A Runoff Control Ditch immediately upstream of 42-inch dia. culvert intake structure as excavator places riprap on geofabric for lining armament.



Photograph 6: Looking east at rough grading of West-Side South Sedimentation Basin and surrounding area. Ground surface in photograph is the upper chert layer cover surface being graded and prepared for Final Dinwoody cover material. Small piles of excavation spoil on top of embankments were created by dozer excavating test pit/pads for field density QA testing.

Figures

East Slope Panel Reference Layout

West Slope Panel Reference Layout





Smoky Canyon Mine Non-Time-Critical Removal Action (NTCRA) – 2015 Activities Pole Canyon Overburden Disposal Area

Weekly Construction Report

Report No. 35

Period of Activity: 11/16/2015 – 11/21/2015

Prepared by: Formation Environmental (on behalf of the J.R. Simplot Company)

Project Owner:

J.R. Simplot Company (Simplot)

Contractor(s) and Equipment:

Contractor, Kilroy LLC (Kilroy), worked 10 hrs per day Monday thru Friday and 8 hrs on Saturday. Kilroy is currently utilizing the following fleet of equipment:

Equipment Type	Quantity
CAT DK-5 Dozer	1
CAT D-6 Dozer	2
CAT D-8 Dozer	2
CAT D-10 Dozer	0
CAT 320 Excavator	1
John Deere 250 Excavator	1
John Deere 350 Excavator	1
John Deere 870 Excavator	0
Komatsu 400 Articulating Haul Truck	3
CAT 745C Articulating Haul Truck	2
CAT 160H Motor Grader	1
Lube Truck	1
CAT 966G Loader	1
CAT CS54 Smooth Drum Roller Compactor	0
CAT 740K Water Truck (8,000 gal)	1
CAT MT765C Challenger	0
CASE 6200 Seed Drill	0

Personnel:

The following personnel were at the site during this time period:

- Simplot:
 - o Grant Williams
- Agency:
 - Not present.
- Kilroy:
 - o Kit Long, Kevin Kilroy, Jeff Zelazoski plus 22 to 24 other personnel that include equipment operators, laborers, grade check and mechanics.
 - o Jorgensen Associates, P.C. (David Kemper, PLS) providing survey control.

- Triple HHH Landscaping (on call as needed and as weather permitted)
- Xcell Engineering, LC
 - o On site November 18, 2015.
- Formation Environmental, Inc.
 - o Jon Friedman
- Strata
 - Not present.

Materials / Equipment Received:

- Road base material for access roads.
- 10 cubic yards of grout on November 17, 2015.
- Numerous pieces of equipment were demobilized.

Weather Conditions:

Conditions during this reporting period varied from clear to cloudy with snow. Daytime temperatures ranged from the mid-teens to the low 30s (degrees Fahrenheit). Wind with occasional gusts up to 15 mph occurred daily throughout the week.

Description of Activities:

Construction work this reporting period included:

- South Central Sedimentation Basin
 - o Substantially complete.
- South-Central Runoff Ditch to Saddle Infiltration Basin
 - o Substantially complete.
- East Side Energy Dissipation Structure
 - o Substantially complete.
- Saddle Infiltration Basin
 - o Substantially complete.
 - Wearing course material needs to be placed on access road / embankment crest for final completion.
 - o TRM needs to be placed on interior basin side-slopes.
- South East Run-off Chute/Ditch
 - o Substantially complete.
- East Sedimentation Basin
 - Removal of sediment from basin needed to enhance infiltration and effectiveness of interior flow through sediment berm.
- East Side Haul Road Ditch
 - Continue excavation of ditch and placement of TRM along ditch interior (Photograph 1).
- East Side Armored Down Drain
 - o Substantially complete.
- Upper East Side Chute
 - o Substantially complete.

- West Sedimentation Basin
 - No activity.
- Northwest Detention/Sedimentation Basin
 - Access road constructed to basin and embankment area.
 - o Dinwoody material hauled to nearby temporary stockpile.
 - o Initiate excavation for basin and interior basin side-slopes (Photograph 2a and 2b).
- Dinwoody Borrow Area
 - Complete reclamation of north access road by grading and blending road surface and surrounding terrain in panels WS-R2 and WS-R2-M and hydroseeding surrounding area (Photograph 3).
 - Complete hauling Dinwoody from east-central borrow area to temporary stockpile near Northwest Basin. Since north access road to borrow has been reclaimed, south borrow access road is being used as haul route.
 - Placement of straw wattles remains.
 - o Timber slash reclamation remains.
 - o Complete placement of TRM in North Run-on Control Ditch.
- East Side ODA Cover Construction
 - Top area east and south of new blast compound remains to be graded to provide drainage per design to the down-drain on south west side of cover (See attached figure).
 - Construction of top area runoff control berm along east, south and west crest substantially complete.
- West Side ODA Cover Construction
 - o Initiate ODA cover extension on lower west toe area above infiltration basin by relocating boulders left over from prior infiltration basin construction (Photograph 4).
 - o Installation of erosion control straw wattles substantially complete.
 - Placement of riprap for rock buttress approximately 10% complete.
 No activity this week.
 - Placement of Dinwoody material for ODA cover construction over WS-R2-BC area substantially complete.
 - o Hydroseed WS-R2-BC.
- 42-inch CMP Culvert Under Mine Haul Road (North End Culvert)
 - o Substantially complete.
- Panel A Ditch
 - o Substantially complete.
- West Side Run Off Control Ditch
 - 48-inch CMP culvert outlet at access road crossing needs to be grouted and additional cover needs to be placed over culvert.
 - Ditch outfall into West Sedimentation Basin near southwest toe of ODA requires completion.
 - Placement of 4-inch chert wearing surface to portions of access road/berms adjacent to west runoff system is substantially complete.

- 36-inch CMP Culvert Under Mine Haul Road (South End Culvert)
 - Excavate downslope to culvert intake, place geofabric, riprap and place grout in riprap (Photograph 5).
 - o South end of West Side Runoff Control Ditch connected to culvert intake.
 - Several boulders at culvert intake invert are obstructing flow and need to be removed.
- West Side Runoff Control Ditch to South
 - Continue to completion ditch excavation, Dinwoody layer placement and TRM lining from beginning on north to South Sedimentation Basin, Basin Outfall to South Culvert intake (Photograph 6a and 6b).
- West Side South Sedimentation Basin
 - o Place geofabric and riprap on ilet to basin (Photograph 7)
 - o Embankments substantially complete (Photograph 7).
 - o Install Low Flow Outlet (Photograph 8).
 - o Install pre-cast concrete cutoff wall in spillway (Photograph 9).
 - o Final grade basin and surrounding area (Photograph 10).
 - Hydroseed surrounding area.

Sample Collection and Construction Quality Control (CQC)/Construction Quality Assurance (CQA) Testing Performed:

- CQC surveying with GPS unit to verify chert and Dinwoody cover thicknesses continued as necessary.
- CQC testing of compacted Dinwoody fill placed for the West-Side South Sedimentation Basin embankments (Photograph 11).

Agency Oversight:

Not present.

Upcoming Activities in Order of Preferred Priority:

- Continue to completion construction of the East Runoff Ditch System adjacent to the haul road.
- Complete construction of access road from mine haul road to new blast complex along with associated drainage swale/ditch and CMP culvert installation.
- Complete construction of the Lower West Side Run-off Ditch outfall to West Sedimentation Basin and complete enlargement of West Sedimentation Basin.
- Complete construction of the Saddle Infiltration Basin. Although substantially complete embankments and surrounding area needs to be final graded and TRM lining placed on embankment slopes and wearing course needed for access road.
- The construction of the top runoff control berm on the east side of the ODA crest commenced and is substantially complete.
- Final grading of East Side Top Area to promote drainage remains to be completed.

- Complete Lower West-Side ODA chert and Dinwoody cover (lower west end of WS-R1-W and WS-R2-W) and final grading to promote drainage at West Toe Area.
- ODA cover over the initial blast compound (approximately 7 acres) located on the west side of the ODA is substantially complete. Final grading and run-on and run-off control ditches, sedimentation basin and hydroseeding (WS-R2-BC) need to continue to completion.
- Complete hydoseeding on the ODA as needed. The installation of erosion control wattles on east and west side of the ODA is substantially complete.
- Initiate the construction of the Northwest Detention/Sedimentation Basin, Outlet and Spillway with outfall to existing Infiltration Basin.
- Complete Dinwoody borrow reclamation with final grading, topsoil placement and installation of erosion controls. This includes completion of the North Run-On Control Ditch with TRM lining and wattle installation on steep slopes.
- Continue with the construction of the rock buttresses required on the west side ODA slopes that are 2(h):1(v) or steeper. This activity in not critical and could be resumed in the spring of 2016.

Potential Project Issues:

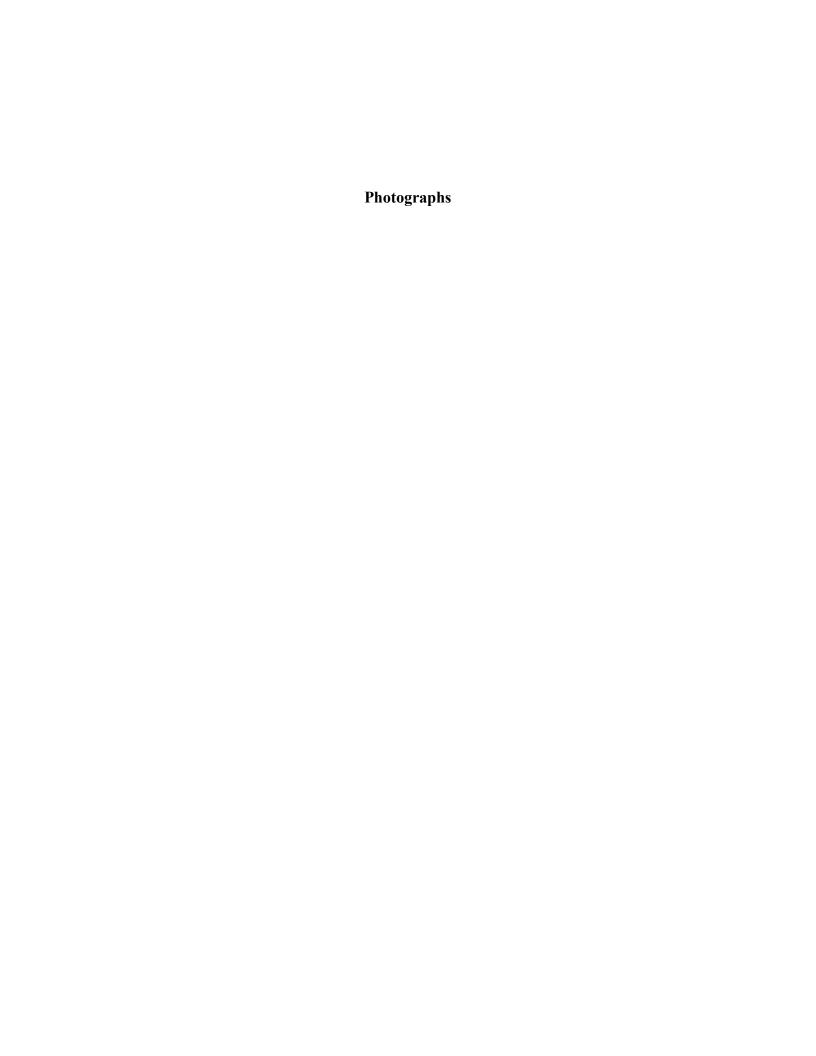
Schedule of items to be completed by the end of end of November is very aggressive although constant progress is being made despite freezing temperatures and snow accumulation. Contractor is continuing to work 6 days a week in effort to complete project in entirety by end of November deadline. Several components will not be completed by the end of November which include the Northwest Detention/Sedimentation Basin, Lower West Side Run-off Ditch outfall to West Sedimentation Basin, enlargement of West Sedimentation Basin and construction of the west side ODA rock buttress. An additional 3 weeks (week ending December 18) will be required to complete all these tasks.

Follow-Up/Resolution of Previous Potential Issues:

Nothing new to report.

Contractor Submittals:

None.





Photograph 1:Looking north (upstream) along East Side Haul Road Ditch from existing access road to New Blast Compound. TRM lining is in place and anchored along both sides of ditch crest.



Photograph 2a: Looking northwest towards Northwest Sedimentation Basin as equipment begins excavation to enlarge the basin.



Photograph 2b: Looking northwest towards Northwest Sedimentation Basin as equipment continues excavation to enlarge the basin. Material excavated is being temporarily stockpiled in background of photo.



Photograph 3: Looking west at the reclamation of north access road that has been graded to blend road surface into surrounding terrain in panels WS-R2 and WS-R2-M in addition to hydroseeding surrounding area.



Photograph 4: Looking north as excavator, in foreground, sorts through boulders at the west toe of ODA in preparation of final cover in this area and at a dozer, in background, preparing access road for construction of Northwest Sedimentation Basin.



Photograph 5: Looking at the intake for the 36-inch dia. (South) Culvert immediately after placement of grout for riprap.



Photograph 6a: Looking south along the West-Side South Runoff Control Ditch to South upstream of West-Side South Sedimentation Basin. TRM has been placed and anchored on ditch crests and surrounding area hydroseeded.



Photograph 6b: Looking north and upstream along West-Side Runoff Control Ditch downstream of West-Side South Sedimentation Basin at geofabric and riprap line channel.



Photograph 7: Looking south at West-Side South Sedimentation Basin along geofabric and riprap lined inlet from West-Side Runoff Ditch. Excavator in basin is placing riprap at inlet chute outfall and excavator in background is setting low flow outlet pipe through south embankment.



Photograph 8: Looking at excavation through south embankment of West-Side South Sedimentation Basin for 12-inch dia. low flow outlet pipe. Note pre-fab cutoff collar placed in trench floor upstream of embankment centerline.



Photograph 9: Looking northwest across the West-Side South Sedimentation Basin at pre-cast concrete cutoff wall installed within basin spillway crest. Note low flow outlet riser in center of photograph.



Photograph 10: Looking north across West-Side South Sedimentation Basin as grade check makes final measurement to confirm required elevations on top of Dinwoody liner.



Photograph 11: Looking south across West-Side South Sedimentation Basin as QC field technician takes density reading with nuclear densometer to confirm compaction of the Dinwoody liner material. Low flow inlet riser pipe near corner of basin.

Figures

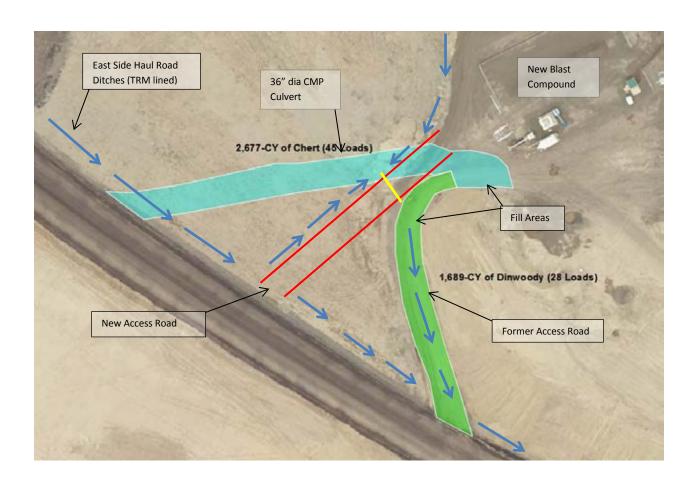
East Slope Panel Reference Layout

West Slope Panel Reference Layout

Six Acre Area between Mine Haul Road and New Blast Compound (areas requiring additional cover material, new access road alignment and drainage plan)







Smoky Canyon Mine Non-Time-Critical Removal Action (NTCRA) – 2015 Activities Pole Canyon Overburden Disposal Area

Weekly Construction Report

Report No. 36

Period of Activity: 11/23/2015 – 11/28/2015

Prepared by: Formation Environmental (on behalf of the J.R. Simplot Company)

Project Owner:

J.R. Simplot Company (Simplot)

Contractor(s) and Equipment:

Contractor, Kilroy LLC (Kilroy), worked 10 hrs per day Monday thru Wednesday. Thursday through Sunday were taken off in recognition of the Thanksgiving Holiday. Kilroy is currently utilizing the following fleet of equipment:

Equipment Type	Quantity
CAT DK-5 Dozer	1
CAT D-6 Dozer	2
CAT D-8 Dozer	2
CAT 320 Excavator	1
John Deere 250 Excavator	1
John Deere 350 Excavator	1
Komatsu 400 Articulating Haul Truck	4
CAT 745C Articulating Haul Truck	2
CAT 160H Motor Grader	1
Lube Truck	1
CAT 966G Loader	1
CAT 740K Water Truck (8,000 gal)	1

Personnel:

The following personnel were at the site during this time period:

- Simplot:
 - o Grant Williams
- Agency:
 - o Not present.
- Kilrov:
 - o Kit Long, Kevin Kilroy, Jeff Zelazoski plus 22 to 24 other personnel that include equipment operators, laborers, grade check and mechanics.
 - o Jorgensen Associates, P.C. (David Kemper, PLS) providing survey control.
- Triple HHH Landscaping (on call as needed and as weather permitted)
- Xcell Engineering, LC
 - Not Present.

- Formation Environmental, Inc.
 - o Jon Friedman
- Strata
 - o Not present.

Materials / Equipment Received:

• Road base material for access roads.

Weather Conditions:

Conditions during this reporting period varied from clear to cloudy with snow. Daytime temperatures ranged from the mid-teens to upper 20s (degrees Fahrenheit). Wind with occasional gusts up to 10 mph occurred daily throughout the week.

Description of Activities:

Construction work this reporting period included:

- South Central Sedimentation Basin
 - o Substantially complete.
- South-Central Runoff Ditch to Saddle Infiltration Basin
 - o Substantially complete.
- East Side Energy Dissipation Structure
 - o Substantially complete.
- Saddle Infiltration Basin
 - o Substantially complete.
 - Wearing course material needs to be placed on access road / embankment crest for final completion.
 - o TRM needs to be placed on interior basin side-slopes.
- South East Run-off Chute/Ditch
 - o Substantially complete.
- East Sedimentation Basin
 - o Removal of sediment from basin needed to enhance infiltration and effectiveness of interior flow through sediment berm.
- East Side Haul Road Ditch
 - No Activity.
- East Side Armored Down Drain
 - o Substantially complete.
- Upper East Side Chute
 - o Substantially complete.
- West Sedimentation Basin
 - o Commence clear and grub south bank (Photograph 1).
 - o Commence basin enlargement excavation.
- Northwest Detention/Sedimentation Basin
 - o Access road maintenance required regularly for safety.
 - o Complete excavation for basin and interior basin side-slopes Cell 2.
 - o Place and compact Dinwoody material for basin and interior basin sideslopes (Photograph 2a and 2b).

- Excavate and place geofabric and riprap in channel for basin outfall (Photograph 3a and 3b).
- Dinwoody Borrow Area
 - o Hauling Dinwoody material from borrow now complete.
 - o Regrade both north and south borrow area to respective sedimentation basins complete.
 - o Placement of straw wattles complete.
 - o Hydroseed substantially complete (Photograph 4a and 4b).
 - o Timber slash reclamation remains.
 - o North Run-on Control Ditch complete.
- East Side ODA Cover Construction
 - O Top area east and south of new blast compound remains to be graded to provide drainage per design to the down-drain on south west side of cover. Approximately 5,000 cy of Dinwoody material hauled by mine to the blast compound area. Material needs to be placed in low areas to minimize ponding. An estimated 10 to 15,000 cy additional material is required to establish complete positive drainage (north to south) of top east area to down chute on southwest side of cover.
 - o Top area runoff control berm along east, south and west crest substantially complete.
- West Side ODA Cover Construction
 - o Minimal activity related to ODA cover extension on lower west toe area above infiltration basin.
 - o Installation of erosion control straw wattles substantially complete.
 - o Placement of riprap for rock buttress. No activity this week.
 - Placement of Dinwoody material for ODA cover construction substantially complete.
 - o Hydroseed substantially complete.
- 42-inch CMP Culvert Under Mine Haul Road (North End Culvert)
 - o Substantially complete.
- Panel A Ditch
 - o Substantially complete.
- West Side Run Off Control Ditch
 - o 48-inch CMP culvert outlet at access road crossing needs to be grouted and additional cover needs to be placed over culvert.
 - o Ditch outfall into West Sedimentation Basin near southwest toe of ODA requires completion.
 - Placement of 4-inch chert wearing surface to portions of access road/berms adjacent to west runoff system is substantially complete although couple areas need to be dressed.
- 36-inch CMP Culvert Under Mine Haul Road (South End Culvert)
 - o Substantially complete although several boulders at culvert intake invert are obstructing flow and need to be removed.
- West Side Runoff Control Ditch to South
 - o Substantially complete.

- West Side South Sedimentation Basin
 - o Substantially complete.
- Miscellaneous
 - o Set-up remaining borehole infiltrometer tests for CU7, CU8, CU10, and CU13.
 - o Erect tents to cover test setups and place heaters in each tent to maintain temperature (Photograph 5a, 5b and 5c).

Sample Collection and Construction Quality Control (CQC)/Construction Quality Assurance (CQA) Testing Performed:

• CQC surveying with GPS unit to verify chert and Dinwoody cover thicknesses substantially complete.

Agency Oversight:

Not present.

Upcoming Activities in Order of Preferred Priority:

- Continue to completion construction of the East Runoff Ditch System adjacent to the haul road.
- Complete construction of access road from mine haul road to new blast complex along with associated drainage swale/ditch and CMP culvert installation.
- Complete construction of the Lower West Side Run-off Ditch outfall to West Sedimentation Basin and complete enlargement of West Sedimentation Basin.
- Complete construction of the Saddle Infiltration Basin. Although substantially complete embankments and surrounding area needs to be final graded and TRM lining placed on embankment slopes and wearing course needed for access road.
- Final grading of East Side Top Area to promote drainage remains to be completed.
- Complete Lower West-Side ODA chert and Dinwoody cover (lower west end of WS-R1-W and WS-R2-W) and final grading to promote drainage at West Toe Area.
- Hydroseeding and installation of erosion control wattles on east and west side of the ODA is substantially complete.
- Complete the construction of the Northwest Detention/Sedimentation Basin, Outlet and Spillway with outfall to existing Infiltration Basin.
- Dinwoody borrow reclamation substantially complete.
- Continue with the construction of the rock buttresses required on the west side ODA slopes that are 2(h):1(v) or steeper. This activity in not critical and could be resumed in the spring of 2016.

Potential Project Issues:

Several components were not be completed by the end of November which include the Northwest Detention/Sedimentation Basin, Lower West Side Run-off Ditch outfall to West Sedimentation Basin, enlargement of West Sedimentation Basin, grouting riprap outfall chutes and construction of the west side ODA rock buttress. An additional 2 weeks will be required to complete these tasks.

New substantial completion date is December 11 with contractor de-mobilizing December 18, 2015.

Follow-Up/Resolution of Previous Potential Issues:

Nothing new to report.

Contractor Submittals:

None.





Photograph 1: Looking south towards West Sedimentation Basin as excavator initiates clear and grub for basin enlargement.



Photograph 2a: Looking south towards Northwest Sedimentation Basin as Dinwoody material is being hauled and placed in Cell 1 and 2 basins and side-slopes.



Photograph 2b: Looking north towards Northwest Sedimentation Basin as Dinwoody material is being hauled and placed in Cell 1 and 2 basins and side-slopes..



Photograph 3a: Looking east towards Northwest Sedimentation Basin outfall as riprap is being placed in outfall channel to infiltration basin.



Photograph 3b: Looking east as workers place geofabric liner in Northwest Sedimentation Basin outfall chute prior to the placement of riprap.



Photograph 4a: Looking north towards north end of Dinwoody borrow area as workers install erosion control straw wattels. Hydroseeding being done simultaneously.



Photograph 4b: Looking southwest at north end of Dinwoody borrow as reclamation nears completion. Installation of erosion control straw wattles and hydroseeding in progress.



Photograph 5a: Looking northeast at the south facing slope of the East Side ODA cover ES-R2. Tent in center of photograph is covering borehole infiltrometer test being conducted for CU7.



Photograph 5b: Looking southwest at tent covering infiltrometer test for CU7.



Photograph 5c: Looking into tent covering infiltrometer test for CU7. Tent and propane heater were used to keep test apparatus from freezing.

Figures

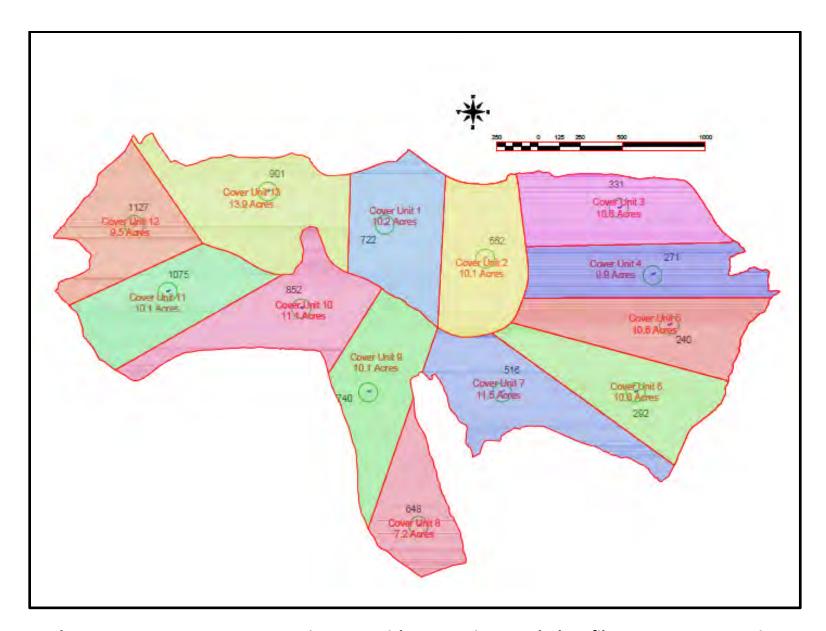
East Slope Panel Reference Layout

West Slope Panel Reference Layout

Pole Canyon ODA NTCRA Borehole Infiltrometer Test Cover Units 1 -13







Pole Canyon ODA NTCRA Cover Units 1 -13 with Respective Borehole Infiltrometer Test Locations

Smoky Canyon Mine Non-Time-Critical Removal Action (NTCRA) – 2015 Activities Pole Canyon Overburden Disposal Area

Weekly Construction Report

Report No. 37

Period of Activity: 11/30/2015 – 12/05/2015

Prepared by: Formation Environmental (on behalf of the J.R. Simplot Company)

Project Owner:

J.R. Simplot Company (Simplot)

Contractor(s) and Equipment:

Contractor, Kilroy LLC (Kilroy), worked 10 hrs per day Monday thru Saturday. Kilroy is currently utilizing the following fleet of equipment:

Equipment Type	Quantity
CAT DK-5 Dozer	1
CAT D-6 Dozer	2
CAT D-8 Dozer	2
CAT 320 Excavator	1
John Deere 250 Excavator	1
John Deere 350 Excavator	1
Komatsu 400 Articulating Haul Truck	4
CAT 745C Articulating Haul Truck	2
CAT 160H Motor Grader	1
Lube Truck	1
CAT 966G Loader	1
CAT 740K Water Truck (8,000 gal)	1

Personnel:

The following personnel were at the site during this time period:

- Simplot:
 - o Grant Williams
- Agency:
 - o Not present.
- Kilroy:
 - o Kit Long, Kevin Kilroy, Jeff Zelazoski plus 20 to 24 other personnel that include equipment operators, laborers, grade check and mechanics.
 - o Jorgensen Associates, P.C.
 - o David Kemper, PLS providing survey control
 - o Karen Schmitter, field technician, providing QC sampling of grout (onsite Thursday, December 3, 2015).
- Triple HHH Landscaping (on call as needed and as weather permitted).

- Xcell Engineering, LC
 - o Kurt S., field technician, providing QC testing of soil compaction (on site Tuesday, December 1, 2015).
- Formation Environmental, Inc.
 - o Jon Friedman
- Strata
 - o Scott Myers, field technician, providing QA sampling of grout (on-site Thursday December 3, 2015).

Materials / Equipment Received:

- Road base material for access roads.
- 110 cy (11 truckloads) of grout Thursday December 3, 2015

Weather Conditions:

Conditions during this reporting period varied from clear to cloudy with snow. Daytime temperatures ranged from zero to upper 30s (degrees Fahrenheit). Wind with occasional gusts up to 10 mph occurred daily throughout the week.

Description of Activities:

Construction work this reporting period included:

- South Central Sedimentation Basin
 - o Substantially complete.
- South-Central Runoff Ditch to Saddle Infiltration Basin
 - o Substantially complete.
- East Side Energy Dissipation Structure
 - o Substantially complete.
- Saddle Infiltration Basin
 - o Substantially complete.
 - Wearing course material needs to be placed on access road / embankment crest for final completion.
 - o TRM placed on basin interior slopes, and straw matting placed on exterior slopes for erosion control (Photograph 1a and 1b).
- South East Run-off Chute/Ditch
 - o Substantially complete.
- East Sedimentation Basin
 - o Removal of sediment from basin needed to enhance infiltration and effectiveness of interior flow through sediment berm.
- East Side Haul Road Ditch
 - No Activity.
 - Upper end needs to be connected to lower end across access road to new blast compound.
- East Side Armored Down Drain
 - o Substantially complete.
- Upper East Side Chute
 - o Substantially complete.

- West Sedimentation Basin
 - o Complete basin enlargement excavation (Photograph 2a and 2b).
 - o Need to place TRM lining on basin interior side-slopes.
- Northwest Detention/Sedimentation Basin
 - o Access road maintenance required regularly for safety.
 - o Complete excavation for basin and interior basin side-slopes Cell 1.
 - Place and compact Dinwoody material for Cell 1 basin and interior basin sideslopes.
 - o Construct Armored Inflow into Cell 1 Basin: excavate channel, line with geomembrane, place riprap in channel and grout (Photograph 3a and 3b).
 - o Riprap was placed for flow through rock berm between Cell 1 and Cell 2 (Photograph 4).
 - o Grout downstream face of flow through rock berm (Photograph 5a and 5b).
 - o Install 12-inch dia. low level outlet pipe and cutoff collar through south embankment/dam (Photograph 6).
 - o Construct form (24-inch dia. HDPE pipe) and place concrete for 12-inch dia. low level outlet pipe riser.
 - o Install pre-cast concrete headwall for spillway.
 - o Excavate, geomembrane line, riprap line and grout riprap for discharge chute to infiltration basin.
 - o Install pre-cast concrete headwall at discharge chute inlet.
- Dinwoody Borrow Area
 - o Reclamation substantially complete.
 - o Timber slash reclamation/relocation remains.
- East Side ODA Cover Construction
 - o Commence spreading the approximately 5,000 cy of Dinwoody material on top area east and south of new blast compound to provide positive drainage towards down drain (Photograph 7).
- West Side ODA Cover Construction
 - O Place and track Dinwoody cover on lower west toe area above infiltration basin to promote drainage around riprap and geomembrane lined east slope of infiltration basin (Photograph 8). Geofabric placed against top row of boulders to keep sediment from washing into riprap lined face of basin (Photograph 9).
 - o Placement of riprap for rock buttress. Activity for this will be postponed until after spring melt-off due to safety concerns.
- 42-inch CMP Culvert Under Mine Haul Road (North End Culvert)
 - o Substantially complete.
- Panel A Ditch
 - o Substantially complete.
- West Side Run Off Control Ditch
 - o Additional cover added at access road crossing with 48-inch CMP culvert. Outlet could be grouted to provide erosion resistance as part of routine maintenance.
 - o Complete construction of Ditch outfall into West Sedimentation Basin (Photograph 10).
 - o Ditch outfall to West Sedimentation Basin grouted.

- 36-inch CMP Culvert Under Mine Haul Road (South End Culvert)
 - o Substantially complete.
- West Side Runoff Control Ditch to South
 - o Substantially complete.
- West Side South Sedimentation Basin
 - o Substantially complete.
 - o TRM placed on basin interior slopes, and straw matting placed on exterior slopes (Photograph 11).
 - o Construct form (24-inch dia. HDPE pipe) and place concrete for low level outlet pipe riser.

Sample Collection and Construction Quality Control (CQC)/Construction Quality Assurance (CQA) Testing Performed:

- CQC surveying with GPS unit to verify chert and Dinwoody cover thicknesses complete.
- CQC compaction testing of fill and backfill placed for the Northwest Sedimentation Dam (Southeast Embankment).
- CQC sampling of grout placed for flow through berm outfall between Cell 1 and Cell 2 of Northwest Sedimentation Basin. Samples to be tested for compressive strength.
- CQA sampling of grout placed for Northwest Sedimentation Basin discharge chute. Samples to be tested for compressive strength.

Agency Oversight:

Not present.

Upcoming Activities in Order of Preferred Priority:

- Complete construction of access road from mine haul road to new blast complex along with associated drainage swale/ditch and CMP culvert installation.
- Complete construction of the West Sedimentation Basin. Although substantially complete, TRM needs to be placed on basin interior slopes.
- Complete the construction of the Northwest Detention/Sedimentation Basin. Although substantially complete, TRM needs to be placed on basin interior slopes.
- Final grading of East Side Top Area to promote drainage remains to be completed.
- Dinwoody borrow reclamation substantially complete.
- Construction of the rock buttresses required on the west side ODA slopes that are 2(h):1(v) or steeper will be postponed until spring melt-off is complete. The rock buttresses provide long term stability and are not critical for short-term functionality.

Potential Project Issues:

Several components are yet to be completed which include: placement of TRM in the basin of the Northwest Detention/Sedimentation Basin and the West Sedimentation Basin, installation of pre-cast concrete headwall for the Lower West Side Run-off Ditch outfall to West Sedimentation Basin and the completion of the East Side Haul Road Ditch tying the upper portion to the lower portion and installing 24-inch dia. CMP culvert across the new blast compound access road. An additional 1 week will be required to complete these tasks.

New substantial completion date is December 11 with contractor completely de-mobilizing by December 18, 2015.

Follow-Up/Resolution of Previous Potential Issues:

Nothing new to report.

Contractor Submittals:

None.





Photograph 1a: Looking southeast towards Saddle Infiltration Basin at the north embankment as workers install straw erosion control matting.



Photograph 1b: Looking northwest along the north embankment of the Saddle Infiltration Basin as workers install straw erosion control matting.



Photograph 2a: Looking northwest towards West Sedimentation Basin as excavators finish excavation along north embankment slope.



Photograph 2b: Looking north at the recently completed excavation for the West Sedimentation Basin and West Runoff Control Ditch outfall chute into basin.



Photograph 3a: Looking northeast as excavator places rip rap on top of geofabric liner for Northwest Sedimentation Basin inlet chute to Cell 1.



Photograph 3b: Looking north towards the inlet chute of the Northwest Sedimentation Basin as excavator places rocks for rip rap lining on top of geofabric.



Photograph 4: Looking west at rip rap placed for the flow through rock berm separating Cell 1 on right, from Cell 2 on left of Northwest Sedimentation Basin. Plastic on the lower portion of rip rap face is to prevent snow from filling void between rocks until it is grouted.



Photograph 5a: Looking northwest at the Northwest Sedimentation Basin as grout is being pumped into place for the downstream face of the flow through rock berm outfall. Excavator in background is placing riprap into channel of inlet chute.



Photograph 5b: Looking northwest at the downstream face of the flow through rock berm between Cell 1 and Cell 2 of the Northwest Sedimentation Basin. Grout, recently placed on the downstream face of the rock berm is being worked into place to insure proper placement and coverage. Grout was only place up to the crest of the rip rap to allow flow from the base of Cell 1 through the rock berm filter onto the grouted rip rap lined face of Cell 2.



Photograph 6: Looking northwest (upstream) along 12-inch dia. pipe being installed for the low level flow outlet for the Northwest Sedimentation Basin. Note seep cutoff collar around pipe on upstream side of the embankment.



Photograph 7: Looking east at the top of the East Side ODA as a dozer spreads recently dumped Dinwoody material (from F-Pit). Approximately 5,000 cy were hauled to the top of the East Side ODA to fill-in low areas.



Photograph 8: Looking south at the West-side Toe of the ODA immediately above rip rap for infiltration basin as dozer grades Dinwoody to promote drainage around to the sides of the infiltration basin.



Photograph 9: Looking south at the West-side Toe of the ODA immediately above rip rap for infiltration basin as dozer grades Dinwoody to promote drainage around to the sides of the infiltration basin. Geofabric placed against the rip rap to prevent washing of the cover into the rip rap face of the infiltration basin.



Photograph 10: Looking south towards recently placed geofabric and rip rap for the West Side Run-off Control Ditch outfall into the West-side West Sedimentation Basin. Black objects above rip rap are insulating blankets to be used once rip rap is grouted.



Photograph 11: Looking northeast towards south embankment of the West-side West Sedimentation Basin and recently placed straw erosion matting on exterior of embankments and recently placed TRM matting on interior of embankments. Basin outlet is on the right side of photograph.

Smoky Canyon Mine Non-Time-Critical Removal Action (NTCRA) – 2015 Activities Pole Canyon Overburden Disposal Area

Weekly Construction Report

Report No. 38

Period of Activity: 12/07/2015 – 12/11/2015

Prepared by: Formation Environmental (on behalf of the J.R. Simplot Company)

Project Owner:

J.R. Simplot Company (Simplot)

Contractor(s) and Equipment:

Contractor, Kilroy LLC (Kilroy), worked 10 hrs per day Monday thru Thursday. Kilroy utilized the following fleet of equipment during the week although all equipment was de-mobilized by end of shift Thursday, December 10, 2015:

Equipment Type	Quantity
CAT DK-5 Dozer	1
CAT D-6 Dozer	2
CAT D-8 Dozer	1
CAT 320 Excavator	1
John Deere 250 Excavator	1
John Deere 350 Excavator	1
CAT 160H Motor Grader	1
Lube Truck	1
CAT 966G Loader	1
CAT 740K Water Truck (8,000 gal)	1

Personnel:

The following personnel were at the site during this time period:

- Simplot:
 - Grant Williams
- Agency:
 - o Not present.
- Kilroy:
 - o Kit Long, Kevin Kilroy, Jeff Zelazoski plus 6 to 12 other personnel that include equipment operators, laborers, grade check and mechanics.
 - o Jorgensen Associates, P.C.
 - o David Kemper, PLS providing survey control
- Triple HHH Landscaping (on call as needed).
- Formation Environmental, Inc.
 - Jon Friedman

Materials / Equipment Received:

• Hydroseed/mulch for HHH Landscaping.

Weather Conditions:

Conditions during this reporting period varied from clear to cloudy with snow. Daytime temperatures ranged from upper teens to mid-40s (degrees Fahrenheit). Wind with occasional gusts up to 10 mph occurred daily throughout the week. Snow changing to rain occurred on Monday.

Description of Activities:

Construction work this reporting period included:

- South Central Sedimentation Basin
 - o Substantially complete.
- South-Central Runoff Ditch to Saddle Infiltration Basin
 - o Substantially complete.
- East Side Energy Dissipation Structure
 - o Substantially complete.
- Saddle Infiltration Basin
 - o Install TRM lining on basin interior side slopes (Photograph 1a and 1b).
 - o Substantially complete.
- South East Run-off Chute/Ditch
 - o Substantially complete.
- East Sedimentation Basin
 - o Substantially complete.
 - o Removal of sediment from basin needed to enhance infiltration and effectiveness of interior flow through sediment berm.
- East Side Haul Road Ditch
 - O Upper end connected to lower end with installation of 24-inch CMP culvert across access road to new blast compound (Photographs 2a and 2b).
 - o Substantially complete.
- East Side Armored Down Drain
 - o Substantially complete.
- Upper East Side Chute
 - o Substantially complete.
- West Sedimentation Basin
 - o TRM lining placed on basin interior side-slopes (Photograph 3a and 3b).
 - o Substantially complete.
- Northwest Detention/Sedimentation Basin
 - o TRM lining placed on basin interior side-slopes (Photograph 4a and 4b).
 - o Substantially complete.
- Dinwoody Borrow Area
 - o Reclamation substantially complete.
 - o Timber slash reclamation/relocation remains.

- East Side ODA Cover Construction
 - o Complete spreading approximately 5,000 cy of Dinwoody material on top area east and south of new blast compound to promote drainage towards down drain.
 - o Hydroseed top east area (Photograph 5a and 5b).
 - o Substantially complete.
- West Side ODA Cover Construction
 - o Placement of riprap for rock buttress. Activity for this will be postponed until after spring melt-off due to safety concerns.
 - o Substantially complete.
- 42-inch CMP Culvert Under Mine Haul Road (North End Culvert)
 - o Substantially complete.
- Panel A Ditch
 - o Substantially complete.
- West Side Run Off Control Ditch
 - o Install pre-cast concrete cutoff wall at the top of outfall to west sedimentation basin (Photograph 6).
 - o Substantially complete.
- 36-inch CMP Culvert Under Mine Haul Road (South End Culvert)
 - o Substantially complete.
- West Side Runoff Control Ditch to South
 - o Substantially complete.
- West Side South Sedimentation Basin
 - o Substantially complete.

Sample Collection and Construction Quality Control (CQC)/Construction Quality Assurance (CQA) Testing Performed:

• CQC surveying with GPS unit to document as-built condition of east side top surface and elevation profile of east side haul road runoff control ditch (Photographs 7a and 7b).

Agency Oversight:

Not present.

Upcoming Activities in Order of Preferred Priority:

- Construction of the rock buttresses required on the west side ODA slopes that are 2(h):1(v) or steeper will be postponed until spring melt-off is complete.
- Top east side will likely require additional fill to eliminate localized ponding and to promote drainage to the armored down chute.

Potential Project Issues:

None.

Contractor Submittals:

None.

De-Mobilization:

With substantial completion of all project components, the contractor finished demobilization of all equipment by the end shift, Thursday December 10, 2015.





Photograph 1a: Looking south along the east side embankment of the Saddle Infiltration Basin and recently placed TRM lining on basin interior side slopes.



Photograph 1b: Looking southwest from northeast corner of the Saddle Infiltration Basin and recently placed TRM lining on basin interior side slopes.



Photograph 2a: Looking east across the top of the east side ODA as back hoe excavates trench for the installation of the 24-inch diameter CMP culvert under access road to blast complex. Culvert need to connect the upper portion to the lower portion of the East Side Haul Road Runoff Control Ditch.



Photograph 2b: Looking northeast towards blast complex as back hoe places last section of the 24-inch diameter CMP culvert under access road needed to connect the upper portion to the lower portion of the East Side Haul Road Runoff Control Ditch.



Photograph 3a: Looking west towards West Side Sedimentation Basin as workers install TRM lining on basin interior side slopes.



Photograph 3b: Looking north at north bank of the West Side Sedimentation Basin as workers install TRM lining on basin interior side slopes.



Photograph 4a: Looking north-northwest from Cell 2 towards Cell 1 of Northwest Sedimentation Basin as workers in background install TRM lining on basin side slopes.



Photograph 4b: Looking west towards west bank of Northwest Sedimentation Basin as workers install TRM lining on basin side slopes.





Photograph 5b: Looking east at the blast complex and top of the east side ODA and area covered with hydro-seed and mulch.



Photograph 6: Looking west as workers install pre-cast concrete cutoff wall at the top of the West Side Runoff Control Ditch outfall to the West Sedimentation Basin.



Photograph 7a: Looking east across the top of the east side ODA as grade check takes survey control points with GPS unit to determine surface topography.



Photograph 7b: Close-up view of image in Photograph 7a, as grade check takes survey control points with GPS unit to determine surface topography.